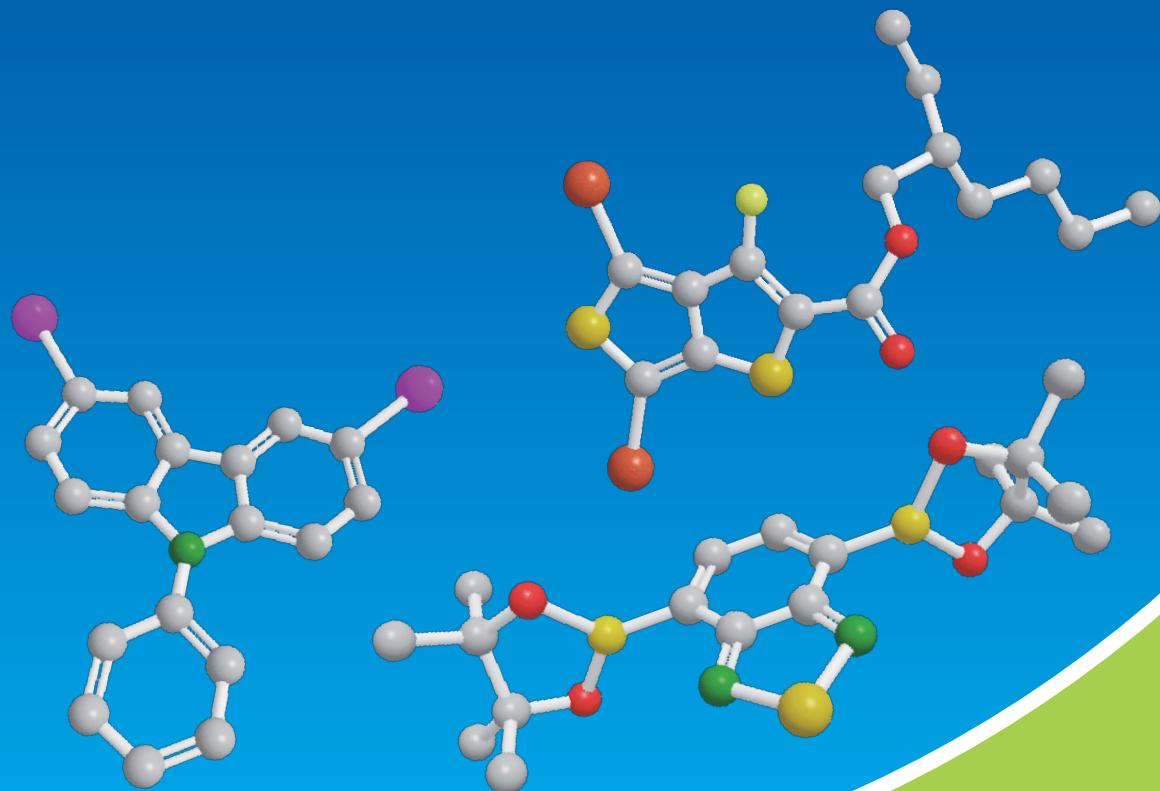


Building Blocks for Organic Semiconductor



Small Molecule Semiconductor Building Blocks

Polymer / Macromolecule Semiconductor Building Blocks

Solubility Enhancing Reagents

Building Blocks for Organic Semiconductor

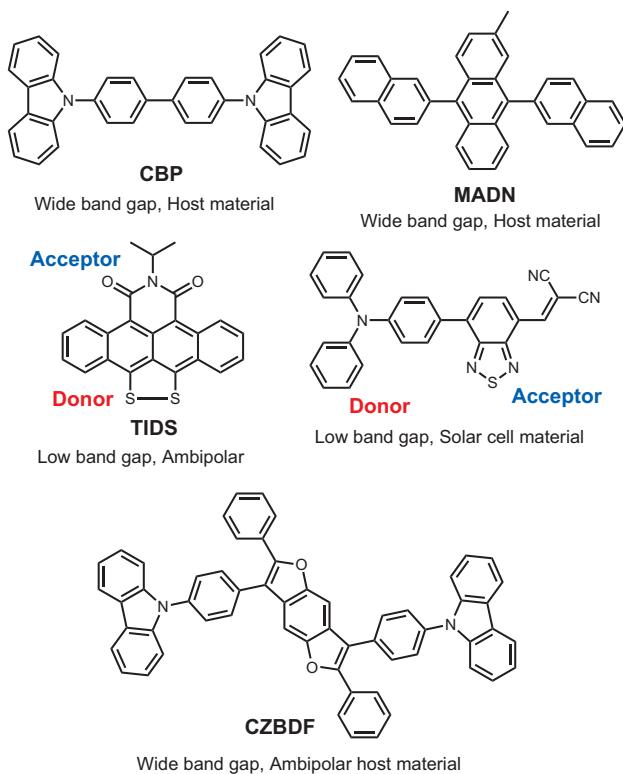
Light and flexible organic semiconductor materials are promising for foldable electronic circuits¹⁾ and implantable biometric sensors,²⁾ although such electronic devices are hardly obtained from silicon-based semiconductors. We have developed a printed electronics system giving large scale and highly precise devices on flexible substrates (eg. paper and film) by a printing method thanks to the solubility of organic materials. The printing method is one efficient technology for mass production and low cost production of semiconducting devices.³⁾ Organic photovoltaics (OPV) is a photoelectric conversion device using organic semiconductors. Organic light-emitting diode (OLED) devices have received much attention, because they are expected to be a next generation display and light source, thanks to lightweight and flexible organic semiconductor materials. Organic semiconductor materials are mainly classified into small molecular and polymer types, and an oligomer type is a middle class between them.

1. Building Blocks for Small Molecule Semiconductor

Several features of small molecule organic semiconductors are that they are isolable in chemically pure form, it is possible to determine structures by a single crystal structure analysis, and it is possible to fabricate a thin-layer and to purify it by a vacuum deposition. In comparison with inorganic materials, organic materials are structurally diverse based on the carbon-centered geometry. Therefore, we can precisely control physical properties such as photo absorption, emission, energy level and solubility by applying organic synthesis. Several conventional coupling reactions can enable us to expand π -conjugated structures, and to produce oligomeric semiconductors. Thiophene derivatives are useful for p-type semiconductors (light absorbers) in OPV devices, because these materials show excellent light absorption and carrier mobility.⁴⁾ Wide band gap carbazole derivatives (eg. CBP) and anthracene derivatives (eg. MADN) are good for host materials in OLED devices.⁵⁾ Some of arylamine derivatives are suitable for the hole transport layer in OLEDs, because the materials enable us to fabricate an amorphous layer by vapor deposition and to demonstrate high hole mobility.⁶⁾ Structures of n-type semiconductors (electron transport materials) consist of electron-deficient heterocycles such as pyrimidines, triazines, and benzimidazoles.

On the other hand, introduction of both donor and acceptor moieties into one molecule may produce small molecule

semiconductors with low band gaps. These semiconductor materials are useful for organic solar cells by their light absorption up to a low energy area.⁷⁾ The donor-acceptor coexisting material, the so-called TIDS, is ambipolar having both hole and electron carriers.⁸⁾ OLED requires new ambipolar organic semiconductors with well-balanced high hole and electron mobility.^{9,10)} Nakamura and Tsuji *et al.* reported the ambipolar organic semiconductor, the so-called CZBDF. This material shows a wide band gap with well-balanced high hole and electron mobility, thus it is an ideal host material for OLED.¹¹⁾

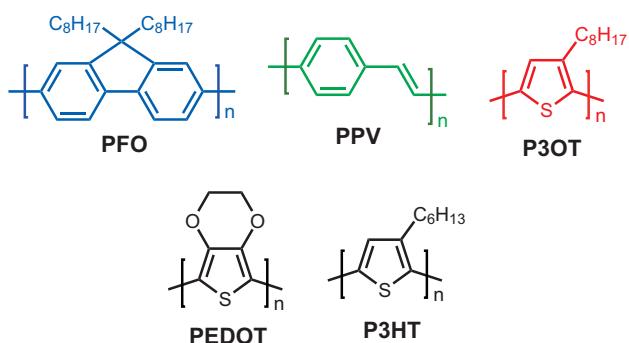


Palladium- and copper-catalyzed cross-coupling reactions can systematically and rapidly produce various organic compounds to develop new materials. The product list in this brochure represents plenty of 'Building Blocks for Small Molecule Semiconductor' bearing halogens, boronic acids (ester), stannyl groups, amino groups, or formyl groups.

2. Building Blocks for Polymer/Macromolecule Semiconductor

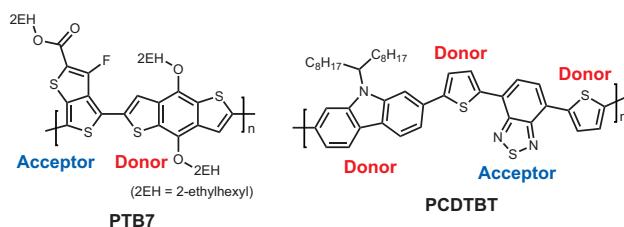
Research on semiconducting polymers receives much attention in the fields of OLED, OPV and organic field-effect transistors (OFET). A light-emitting layer in OLEDs may require a semiconducting polymer such as phenylene vinylenes (PPV). Polymer materials can provide film-formable and thermal resistant devices by a solution process to reduce manufacturing costs, although small molecule-based OLED devices are normally manufactured by vapor deposition. We can create various colored emissions by chemical modification of a π -conjugated polymer. For instance, polyfluorenes (PFO),¹²⁾ PPVs¹³⁾ and regiorandom poly(3-octylthiophene) (P3OT)¹⁴⁾ exhibit blue, green and red emissions, respectively.

Recent research on organic electronics developed sulfur-containing polymers such as polythiophene. Poly(3,4-ethylenedioxythiophene) (PEDOT) is useful for a capacitor, organic transistor, hole transport material for an OLED device, and secondary battery as well as for an actuator, sensor and thermoelectric conversion element.^{15,16)} PEDOT/PSS that is a mixture of PEDOT and polystyrene sulfonate (PSS), is widely used as a hole transport material for OPV.¹⁷⁾ Poly(3-hexyl) thiophene (P3HT) can be blended with fullerene derivatives (eg. PCBM) to form an efficient bulk heterojunction. The polymer in the OPV device is a p-type semiconductor with light absorption.¹⁸⁾



Although P3HT and PFO are synthesized from polymerization of a sole monomer, a copolymerization of two different monomers can precisely control electronic structure of the resulting semiconducting polymer. Furthermore, the copolymerization enables us to produce a stable donor-acceptor (DA type) polymer with low energy HOMO level by combining an electron-rich monomer (donor) and an electron-poor monomer (acceptor).¹⁹⁻²¹⁾ In addition to that, the DA polymer has a low band gap toward light absorption in the low energy region, and also may be an ambipolar semiconductor by *p*- or *n*-carrier doping.^{22,23)}

Low band gap polymers



A metal-catalyzed cross-coupling reaction can undergo copolymerization from halogenated monomers and boronated (ester) monomers. Selection of the monomers can provide diverse semiconducting polymers. A similar cross-coupling reaction is possible between a monomer with a trimethylstannyl group ($SnMe_3$) and a halogenated monomer. After the reaction, trimethyltin halide forms as a by-product, however, it can be easily removed under vacuum conditions. The product list in this brochure represents plenty of ‘Building Blocks for Semiconducting Polymers’ bearing halogen, boronic acid (ester), stannyl group, etc.

3. Solubility Enhancing Reagents

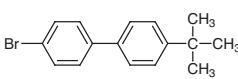
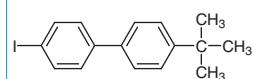
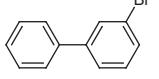
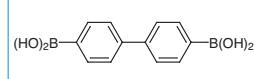
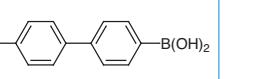
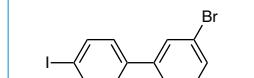
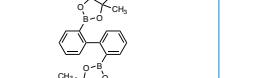
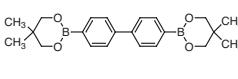
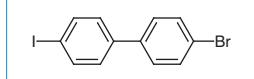
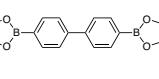
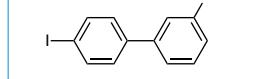
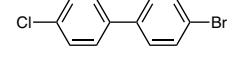
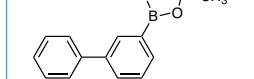
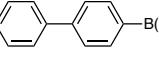
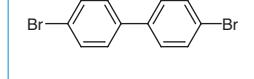
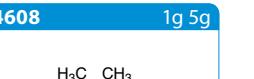
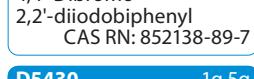
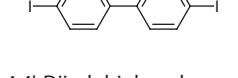
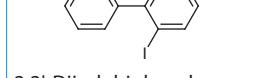
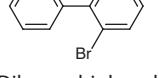
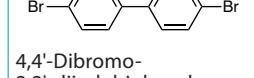
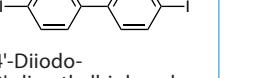
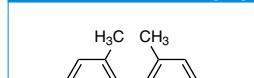
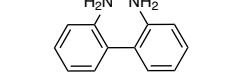
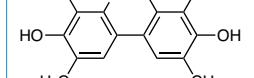
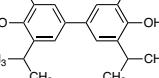
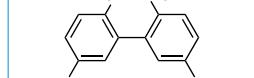
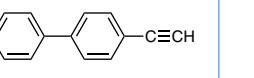
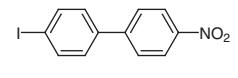
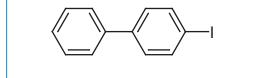
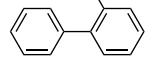
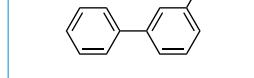
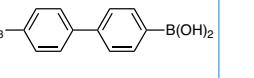
Alkyl groups do not affect molecular electronic properties, because they do not strongly interact with π -conjugates. However, the effect of alkyl groups is large in the molecule-assembled solid state, modifying solubility and melting point by introduction of alkyl groups. In particular, organic devices require alkyl derivatization to increase solubility, because solution-processible manufacturing and printing technology for the large scale require soluble materials. In addition, the use of electron-withdrawing fluoroalkyl groups is good for forming soluble *n*-type organic semiconductors.^{24,25)} Several OPV and OFET materials contain dialkylsilole.²⁶⁾ The product list in this brochure represents chemical reagents to introduce alkyl and dialkylsiloles.

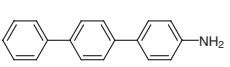
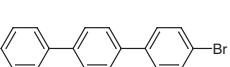
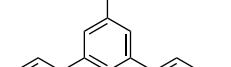
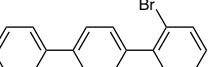
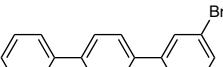
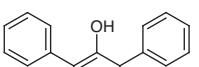
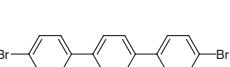
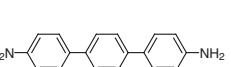
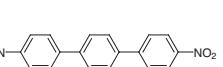
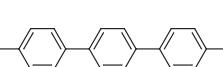
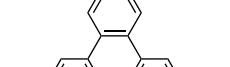
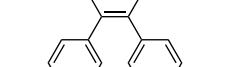
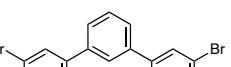
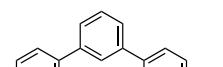
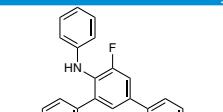
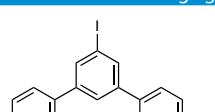
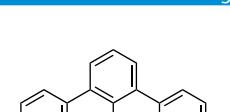
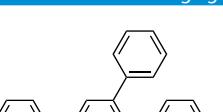
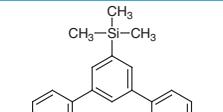
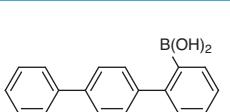
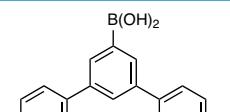
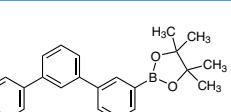
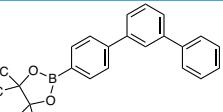
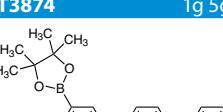
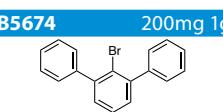
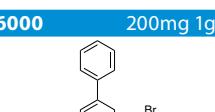
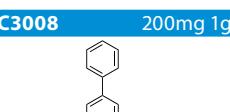
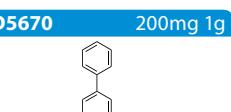
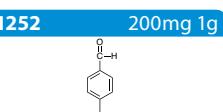
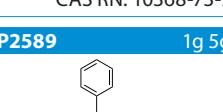
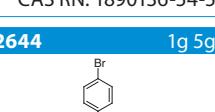
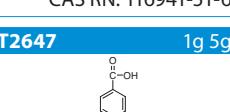
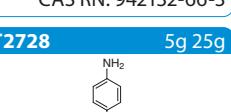
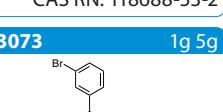
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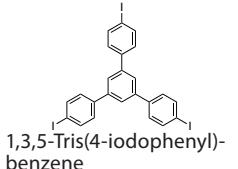
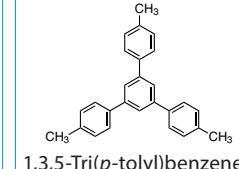
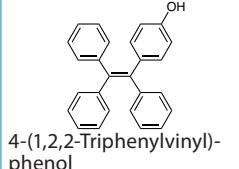
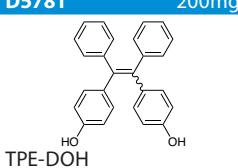
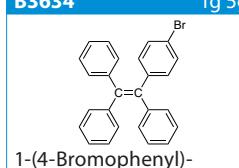
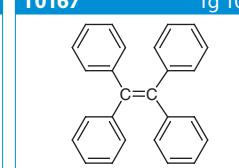
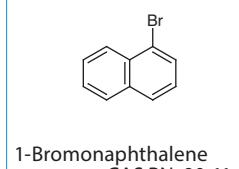
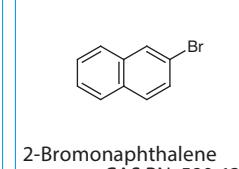
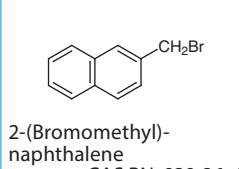
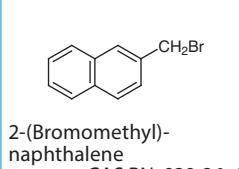
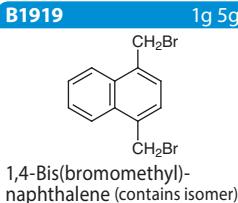
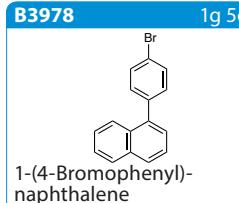
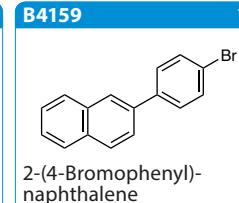
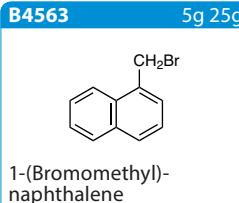
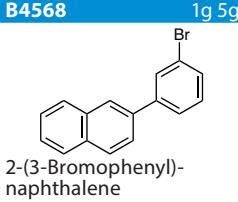
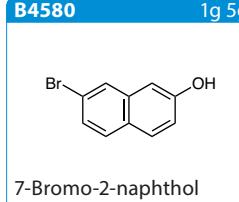
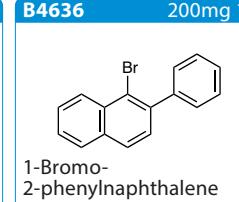
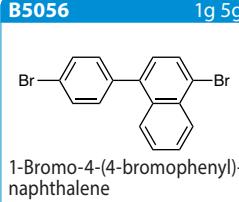
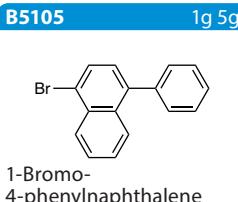
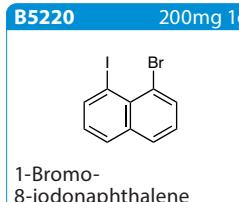
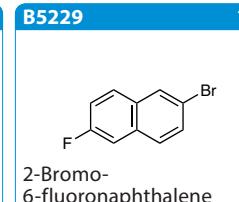
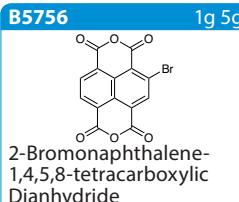
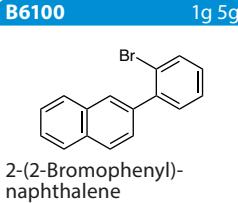
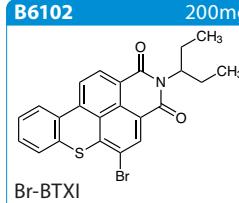
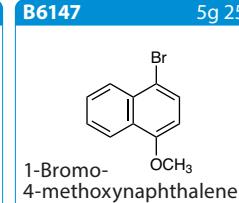
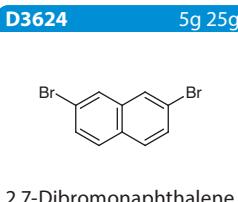
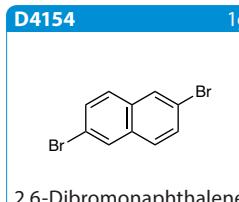
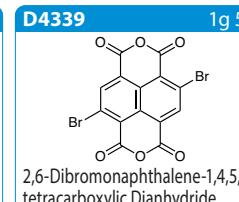
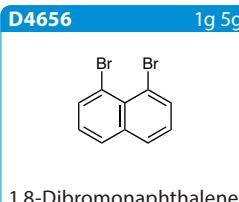
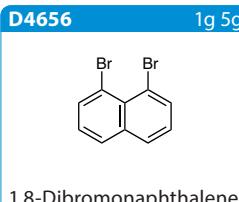
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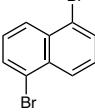
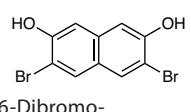
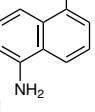
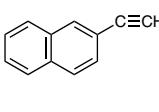
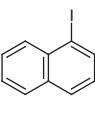
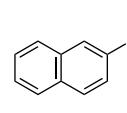
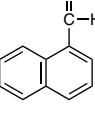
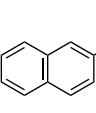
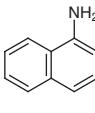
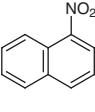
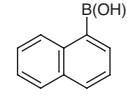
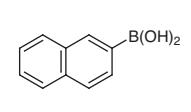
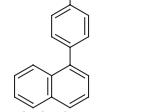
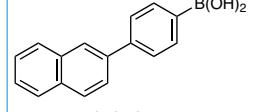
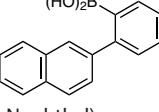
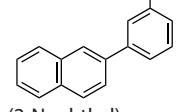
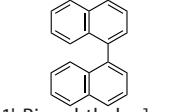
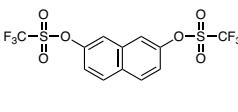
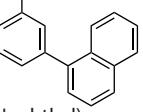
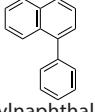
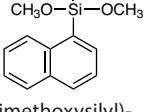
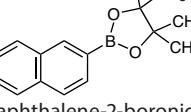
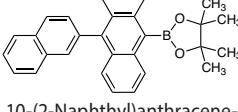
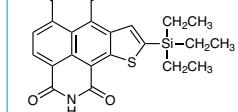
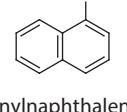
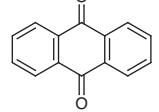
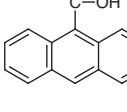
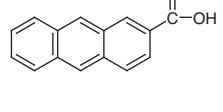
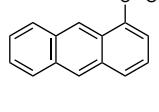
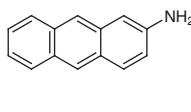
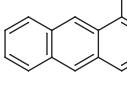
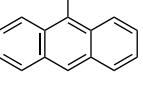
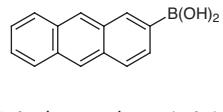
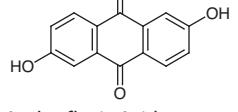
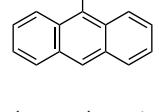
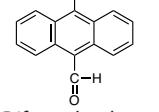
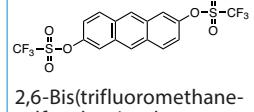
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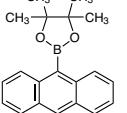
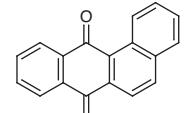
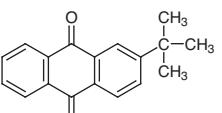
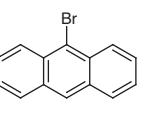
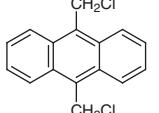
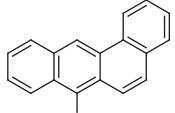
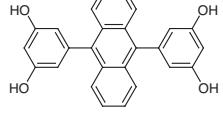
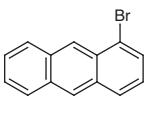
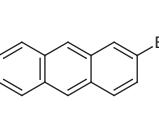
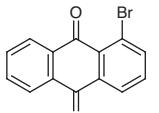
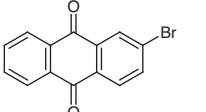
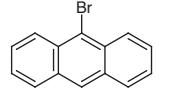
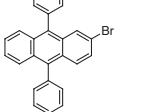
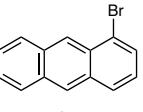
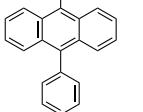
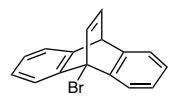
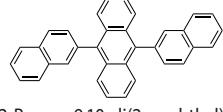
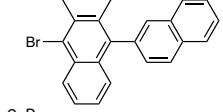
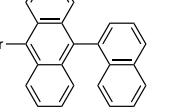
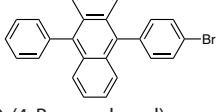
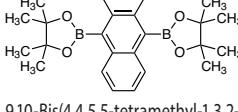
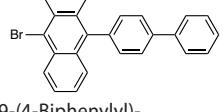
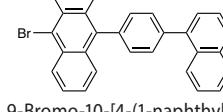
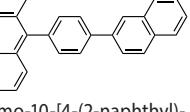
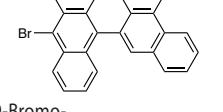
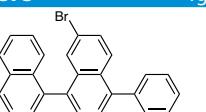
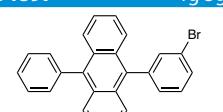
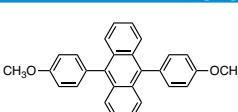
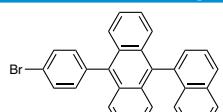
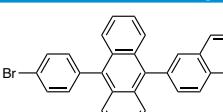
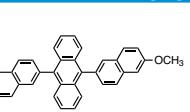
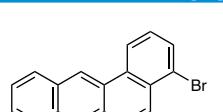
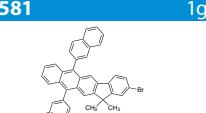
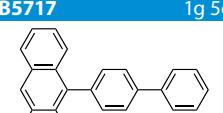
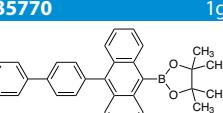
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B3151	1g	B3648	5g 25g	B4166	1g 5g	B5321	200mg 1g	B5703	200mg 1g
									
3,3'-Biphenyldiboronic Acid Bis(pinacol) Ester CAS RN: 850264-92-5	3-Bromo-3'-chloro-1,1'-biphenyl CAS RN: 844856-42-4	3-Bromo-4'-chloro-1,1'-biphenyl CAS RN: 164334-69-4	3-(3-Bromophenyl)-benzonitrile CAS RN: 1040141-34-1	4,4'-Dibromobiphenyl CAS RN: 92-86-4	4-(3-Bromophenyl)-benzonitrile CAS RN: 160521-46-0	4,4'-Dibromo-octafluorobiphenyl CAS RN: 10386-84-2			
B5966	1g 5g	B6023	1g 5g	C3614	1g 5g	D1695	25g 250g	D1696	1g 5g
									
4-Bromo-4'-chloro-1,1'-biphenyl CAS RN: 23055-77-8	3-Biphenylboronic Acid Pinacol Ester CAS RN: 912844-88-3	4'-Chloro-4-biphenylboronic Acid CAS RN: 364044-44-0	4,4'-Dibromobiphenyl CAS RN: 92-86-4	4,4'-Dibromo-2,2'-diiodobiphenyl CAS RN: 852138-89-7	4,4'-Diiodo-2,2'-dimethylbiphenyl CAS RN: 69571-02-4	4,4'-Dibromo-octafluorobiphenyl CAS RN: 10386-84-2			
D2315	25g 250g	D2745	1g	D2874	1g 5g	D4560	200mg	D4608	1g 5g
									
4,4'-Diiodobiphenyl CAS RN: 3001-15-8	2,2'-Diiodobiphenyl CAS RN: 2236-52-4	2,2'-Dibromobiphenyl CAS RN: 13029-09-9	4,4'-Dibromo-2,2'-diiodobiphenyl CAS RN: 852138-89-7	4,4'-Diiodo-2,2'-dimethylbiphenyl CAS RN: 69571-02-4	4-Ethynylbiphenyl CAS RN: 29079-00-3	4,4'-Dibromo-octafluorobiphenyl CAS RN: 10386-84-2			
D5255	1g 5g	D5280	1g	D5281	200mg 1g	D5430	1g 5g	E1141	1g 5g
									
2,2'-Diaminobiphenyl CAS RN: 1454-80-4	4,4'-Dihydroxy-2,2',3,3',5,5'-hexamethylbiphenyl CAS RN: 19956-76-4	4,4'-Dihydroxy-3,3',5,5'-tetraisopropylbiphenyl CAS RN: 2416-95-7	5,5'-Diiodo-2,2'-dimethylbiphenyl CAS RN: 1392203-19-8	4-Ethynylbiphenyl CAS RN: 29079-00-3	4-Ethynylbiphenyl CAS RN: 29079-00-3	4,4'-Dibromo-octafluorobiphenyl CAS RN: 10386-84-2			
I0537	1g 5g	I0785	5g 25g	I0967	5g 25g	I1055	1g 5g	M3235	1g 5g
									
4-Iodo-4'-nitrobiphenyl CAS RN: 29170-08-9	4-Iodobiphenyl CAS RN: 1591-31-7	2-Iodobiphenyl CAS RN: 2113-51-1	3-Iodobiphenyl CAS RN: 20442-79-9	4-Methyl-4-biphenylboronic Acid CAS RN: 393870-04-7	4-Ethynylbiphenyl CAS RN: 29079-00-3	4,4'-Dibromo-octafluorobiphenyl CAS RN: 10386-84-2			

Terphenyls		A1340 1g 5g 25g  4-Amino- <i>p</i> -terphenyl CAS RN: 7293-45-0	B2155 1g 5g  4-Bromo- <i>p</i> -terphenyl CAS RN: 1762-84-1	B4308 5g 25g  5'-Bromo- <i>m</i> -terphenyl CAS RN: 103068-20-8	B5760 1g 5g  2-Bromo- <i>p</i> -terphenyl CAS RN: 3282-24-4
B6127 1g 5g  3-Bromo- <i>p</i> -terphenyl CAS RN: 1762-87-4		D2563 5g 25g  2,6-Diphenylphenol CAS RN: 2432-11-3	D3372 1g 5g  4,4''-Dibromo- <i>p</i> -terphenyl CAS RN: 17788-94-2	D3390 1g 5g  4,4''-Diamino- <i>p</i> -terphenyl CAS RN: 3365-85-3	D3394 1g 5g  4,4''-Dinitro- <i>p</i> -terphenyl CAS RN: 3282-11-9
D3534 1g 5g  4,4''-Diiodo- <i>p</i> -terphenyl CAS RN: 19053-14-6		D4997 200mg 1g  3,3''-Dibromo- <i>o</i> -terphenyl CAS RN: 95918-90-4	D4998 200mg 1g  4,4''-Dibromo- <i>o</i> -terphenyl CAS RN: 24253-43-8	D4999 200mg 1g  3,3''-Dibromo- <i>m</i> -terphenyl CAS RN: 95962-62-2	D5023 200mg 1g  4,4''-Dibromo- <i>m</i> -terphenyl CAS RN: 83909-22-2
F1070 200mg  5'-Fluoro- <i>N</i> -phenyl-[1,1':3',1''-terphenyl]-4'-amine CAS RN: 1228153-91-0		I0969 200mg 1g  5'-Iodo- <i>m</i> -terphenyl CAS RN: 87666-86-2	I1086 1g  2'-Iodo- <i>m</i> -terphenyl CAS RN: 82777-09-1	N0610 1g 5g  4-Nitro- <i>p</i> -terphenyl CAS RN: 10355-53-0	P2693 200mg 1g  1,2,4-Triphenylbenzene CAS RN: 1165-53-3
T1871 1g  (<i>m</i> -Terphenyl-5'-yl)-trimethylsilane CAS RN: 128388-53-4		T2412 1g  2- <i>p</i> -Terphenylboronic Acid CAS RN: 663954-31-2	T2792 1g  5'- <i>m</i> -Terphenylboronic Acid CAS RN: 128388-54-5	T3828 250mg 1g  (1,1':3',1''-Terphenyl)-3-ylboronic Acid Pinacol Ester CAS RN: 1115023-84-1	T3873 200mg 1g  (1,1':3',1''-Terphenyl)-4-ylboronic Acid Pinacol Ester CAS RN: 1385826-84-5
T3874 1g 5g  (1,1':4',1''-Terphenyl)-3-ylboronic Acid Pinacol Ester CAS RN: 1401577-23-8		T3875 1g  (1,1':4',1''-Terphenyl)-4-ylboronic Acid Pinacol Ester CAS RN: 1080632-76-3	Triphenylbenzenes		
B5674 200mg 1g  2'-Bromo-5'-phenyl- <i>m</i> -terphenyl CAS RN: 10368-73-7		B6000 200mg 1g  2-Bromo-5'-phenyl-1,1':3',1''-terphenyl CAS RN: 1890136-54-5	C3008 200mg 1g  4-Chloro-5'-phenyl-1,1':3',1''-terphenyl CAS RN: 116941-51-6	D5670 200mg 1g  3,5-Dibromo-5'-phenyl-1,1':3',1''-terphenyl CAS RN: 942132-66-3	F1252 200mg 1g  1,3,5-Tris(4-formylphenyl)benzene CAS RN: 118688-53-2
P2589 1g 5g  5'-Phenyl- <i>m</i> -terphenyl-4-amine CAS RN: 343239-58-7		T2644 1g 5g  1,3,5-Tris(4-bromophenyl)benzene CAS RN: 7511-49-1	T2647 1g 5g  1,3,5-Tris(4-carboxyphenyl)benzene CAS RN: 50446-44-1	T2728 5g 25g  1,3,5-Tris(4-aminophenyl)benzene CAS RN: 118727-34-7	T3073 1g 5g  1,3,5-Tris(3-bromophenyl)benzene CAS RN: 96761-85-2

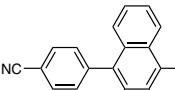
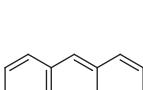
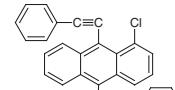
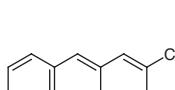
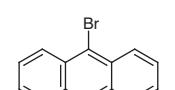
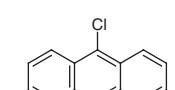
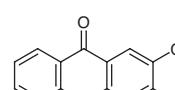
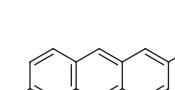
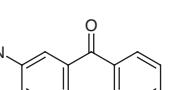
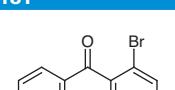
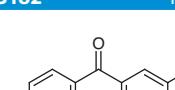
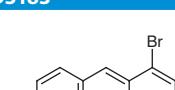
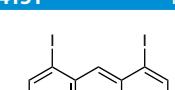
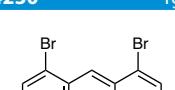
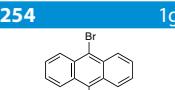
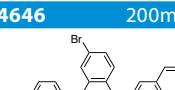
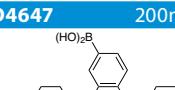
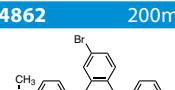
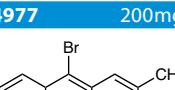
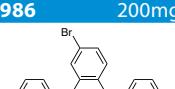
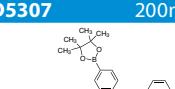
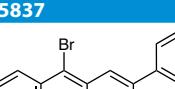
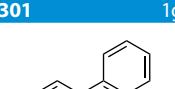
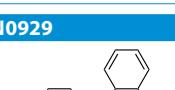
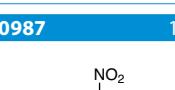
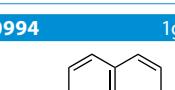
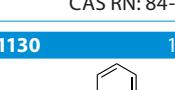
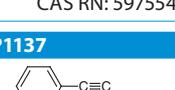
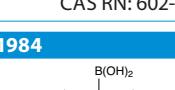
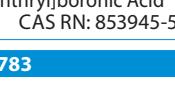
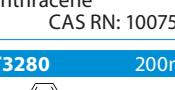
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D5781 200mg  TPE-DOH (<i>cis</i> - and <i>trans</i> - mixture) CAS RN: 68578-79-0	B3634 1g 5g  1-(4-Bromophenyl)-1,2,2-triphenylethylene CAS RN: 34699-28-0	T0167 1g 10g  Tetraphenylenethylene CAS RN: 632-51-9	T3142 1g 5g  Tetrakis(4-hydroxyphenyl)-ethylene CAS RN: 119301-59-6
Naphthalenes		T3423 1g 5g  Tetrakis(4-bromophenyl)-ethylene CAS RN: 61326-44-1	
B0618 25g 100g 500g  1-Bromonaphthalene CAS RN: 90-11-9	B0619 5g 25g  2-Bromonaphthalene CAS RN: 580-13-2	B0621 25g 100g  6-Bromo-2-naphthol CAS RN: 15231-91-1	B1524 5g 25g  2-(Bromomethyl)-naphthalene CAS RN: 939-26-4
B1919 1g 5g  1,4-Bis(bromomethyl)-naphthalene (contains isomer) CAS RN: 58791-49-4	B3978 1g 5g  1-(4-Bromophenyl)-naphthalene CAS RN: 204530-94-9	B4159 1g  2-(4-Bromophenyl)-naphthalene CAS RN: 22082-99-1	B4463 1g  4-Bromo-1-naphthaleneboronic Acid CAS RN: 145965-14-6
B4568 1g 5g  2-(3-Bromophenyl)-naphthalene CAS RN: 667940-23-0	B4580 1g 5g  7-Bromo-2-naphthol CAS RN: 116230-30-9	B4636 200mg 1g  1-Bromo-2-phenylnaphthalene CAS RN: 22082-93-5	B4864 1g 5g  1-Bromo-4-iodonaphthalene CAS RN: 63279-58-3
B5105 1g 5g  1-Bromo-4-phenylnaphthalene CAS RN: 59951-65-4	B5220 200mg 1g  1-Bromo-8-iodonaphthalene CAS RN: 4044-58-0	B5229 1g  2-Bromo-6-fluoronaphthalene CAS RN: 324-41-4	B5288 1g  2,7-Naphthalenediboronic Acid Bis(pinacol) Ester CAS RN: 853377-10-3
B6100 1g 5g  2-(2-Bromophenyl)-naphthalene CAS RN: 22082-97-9	B6102 200mg  Br-BTXI CAS RN: 2253748-36-4	B6147 5g 25g  1-Bromo-4-methoxynaphthalene CAS RN: 5467-58-3	D0101 25g 100g 500g  1,5-Diaminonaphthalene CAS RN: 2243-62-1
D3624 5g 25g  2,7-Dibromonaphthalene CAS RN: 58556-75-5	D4154 1g  2,6-Dibromonaphthalene CAS RN: 13720-06-4	D4339 1g 5g  2,6-Dibromonaphthalene-1,4,5,8-tetracarboxylic Dianhydride CAS RN: 83204-68-6	D4597 200mg 1g  2,3-Dibromonaphthalene CAS RN: 13214-70-5
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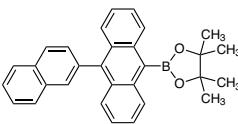
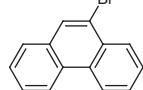
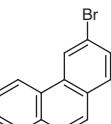
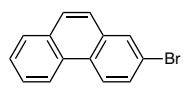
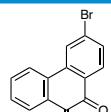
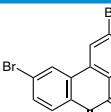
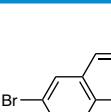
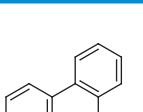
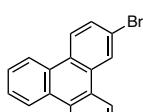
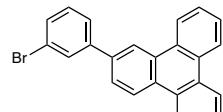
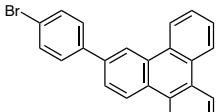
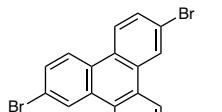
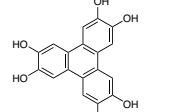
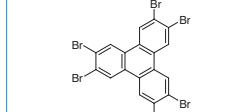
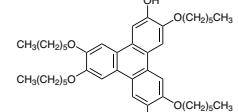
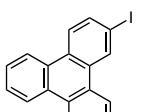
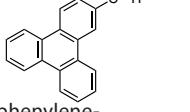
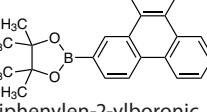
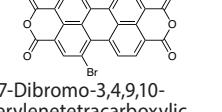
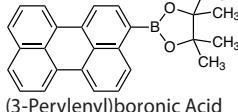
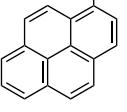
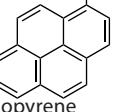
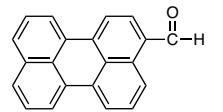
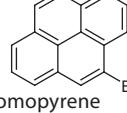
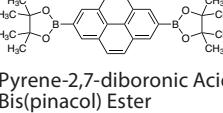
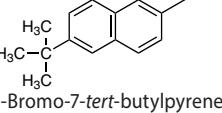
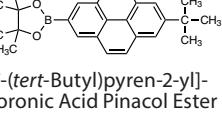
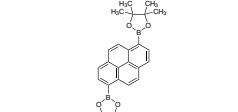
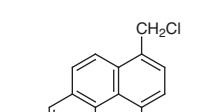
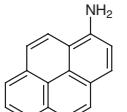
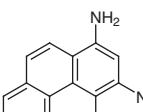
Building Blocks for Organic Semiconductor

D4660 1g 5g  1,5-Dibromonaphthalene CAS RN: 7351-74-8	D4668 5g 25g  1,5-Dibromo- 2,6-naphthalenediol CAS RN: 132178-78-0	D4669 1g 5g  3,6-Dibromo- 2,7-naphthalenediol CAS RN: 96965-79-6	D5689 1g 5g  1,5-DAN (purified by sublimation) CAS RN: 2243-62-1	E0933 100mg  2-Ethylnaphthalene CAS RN: 2949-26-0
I0266 25g  1-Iodonaphthalene CAS RN: 90-14-2	I1151 250mg 1g  2-Iodonaphthalene CAS RN: 612-55-5	N0002 25mL 100mL 500mL  1-Naphthaldehyde CAS RN: 66-77-3	N0003 5g 25g  2-Naphthaldehyde CAS RN: 66-99-9	N0052 25g 100g  1-Naphthylamine CAS RN: 134-32-7
N0212 25g 500g  1-Nitronaphthalene CAS RN: 86-57-7	N0630 1g 5g 25g  1-Naphthaleneboronic Acid CAS RN: 13922-41-3	N0649 1g 5g 25g  2-Naphthaleneboronic Acid CAS RN: 32316-92-0	N0798 1g 5g  4-(1-Naphthyl)- phenylboronic Acid CAS RN: 870774-25-7	N0946 200mg 1g  4-(2-Naphthyl)- phenylboronic Acid CAS RN: 918655-03-5
N1008 1g  2-(2-Naphthyl)- phenylboronic Acid CAS RN: 1061350-97-7	N1009 1g 5g  3-(2-Naphthyl)- phenylboronic Acid CAS RN: 870774-29-1	N1010 1g  [1,1'-Binaphthalen]- 4-ylboratione CAS RN: 363607-69-6	N1071 1g 5g  2,7-Naphthaleneditriflate CAS RN: 151391-00-3	N1131 1g 5g  3-(1-Naphthyl)- phenylboronic Acid CAS RN: 881913-20-8
P2290 1g  4-Phenylnaphthalene- 1-boronic Acid CAS RN: 372521-91-0	T3292 1g 5g  1-(Trimethoxysilyl)- naphthalene CAS RN: 18052-76-1	T3298 1g 5g  Naphthalene-2-boronic Acid Pinacol Ester CAS RN: 256652-04-7	T3674 1g 5g  10-(2-Naphthyl)anthracene- 9-boronic Acid Pinacol Ester CAS RN: 922518-84-1	T3850 100mg  TES-NTI CAS RN: 2195419-19-1
V0040 5g  1-Vinylnaphthalene (stabilized with TBC) CAS RN: 826-74-4	Anthracenes/ Anthraquinones		A0502 25g 500g  Anthraquinone CAS RN: 84-65-1	A0690 5g 25g  9-Anthroic Acid CAS RN: 723-62-6
A1150 1g 5g  2-Anthroic Acid CAS RN: 613-08-1	A1220 1g  1-Anthracencarboxylic Acid CAS RN: 607-42-1	A1687 1g  2-Anthramine CAS RN: 613-13-8	A1709 1g  1-Anthramine CAS RN: 610-49-1	A1748 100mg 1g 5g  9-Anthramine CAS RN: 779-03-3
A1843 250mg 1g 5g  2-Anthraceneboronic Acid CAS RN: 141981-64-8	A1894 1g 5g 25g  Anthraflavic Acid CAS RN: 84-60-6	A2328 1g 5g  9-Anthracenboronic Acid CAS RN: 100622-34-2	A2664 1g 5g  9,10-Diformylanthracene CAS RN: 7044-91-9	A3127 200mg 1g  2,6-Bis(trifluoromethane- sulfonyloxy)anthracene CAS RN: 594838-61-6

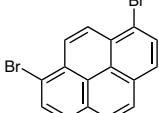
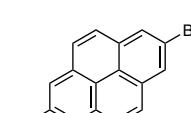
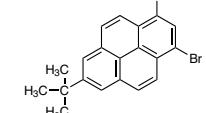
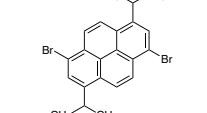
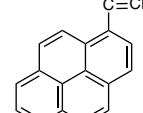
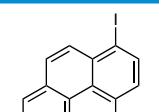
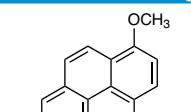
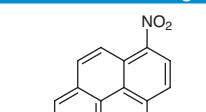
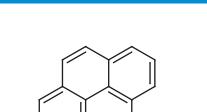
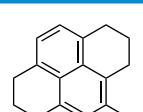
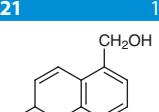
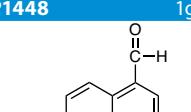
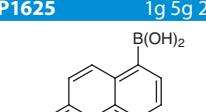
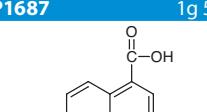
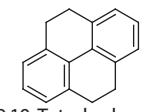
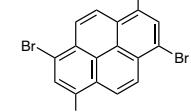
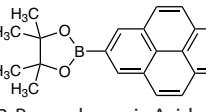
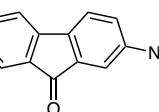
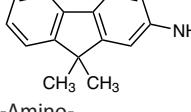
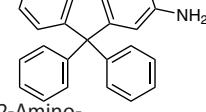
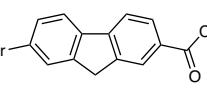
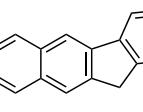
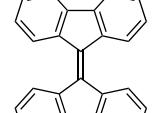
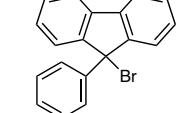
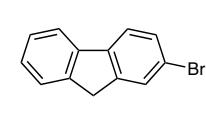
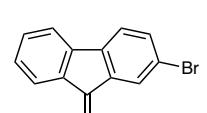
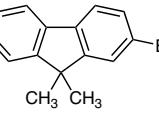
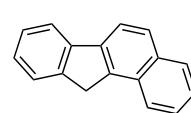
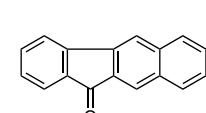
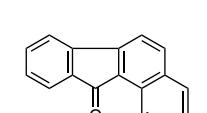
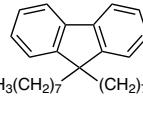
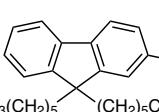
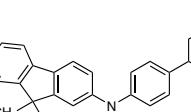
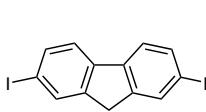
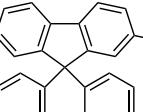
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B1603  7-Bromobenz[a]anthracene CAS RN: 32795-84-9	B2109  9,10-Bis(3,5-dihydroxy-phenyl)anthracene CAS RN: 153715-08-3	B2615  1-Bromoanthracene CAS RN: 7397-92-4	B2616  2-Bromoanthracene CAS RN: 7321-27-9	B2688  1-Bromoanthraquinone CAS RN: 632-83-7
B2689  2-Bromoanthraquinone CAS RN: 572-83-8	B2871  9-Bromoanthracene CAS RN: 1564-64-3	B3442  2-Bromo-9,10-diphenylanthracene CAS RN: 201731-79-5	B3475  1-Bromoanthracene (purified by sublimation) CAS RN: 7397-92-4	B3977  9-Bromo-10-phenylanthracene CAS RN: 23674-20-6
B4239  9-Bromodibenzobarrelene CAS RN: 126690-96-8	B4321  2-Bromo-9,10-di(2-naphthyl)-anthracene CAS RN: 474688-76-1	B4426  9-Bromo-10-(2-naphthyl)anthracene CAS RN: 474688-73-8	B4451  9-Bromo-10-(1-naphthyl)anthracene CAS RN: 400607-04-7	B4475  9-(4-Bromophenyl)-10-phenylanthracene CAS RN: 625854-02-6
B4562  9,10-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)anthracene CAS RN: 863992-56-7	B4569  9-(4-Biphenyl)-10-bromoanthracene CAS RN: 400607-05-8	B4570  9-Bromo-10-[4-(1-naphthyl)-phenyl]anthracene CAS RN: 1092390-01-6	B4571  9-Bromo-10-[4-(2-naphthyl)-phenyl]anthracene CAS RN: 866611-29-2	B4572  9-Bromo-10-(9-phenanthryl)anthracene CAS RN: 845457-53-6
B4573  2-Bromo-9,10-di(1-naphthyl)anthracene CAS RN: 929031-39-0	B4755  9-Bromo-10-(1,1':3',1"-terphenyl-5'-yl)anthracene CAS RN: 474688-74-9	B4895  9-(2-Biphenyl)-10-bromoanthracene CAS RN: 400607-16-1	B4896  10-Bromo-10'-(2-naphthyl)-9,9-bianthracene CAS RN: 1172087-81-8	B4897  9-(3-Bromophenyl)-10-phenylanthracene CAS RN: 1023674-80-7
B5022  9,10-Bis(4-methoxyphenyl)-anthracene CAS RN: 24672-76-2	B5029  9-(4-Bromophenyl)-10-(1-naphthyl)anthracene CAS RN: 1160506-32-0	B5030  9-(4-Bromophenyl)-10-(2-naphthyl)anthracene CAS RN: 936854-62-5	B5046  9,10-Bis(6-methoxy-2-naphthyl)anthracene CAS RN: 235099-48-6	B5450  4-Bromotetraphene CAS RN: 61921-39-9
B5581  2-Bromo-13,13-dimethyl-6,11-di(naphthalen-2-yl)-13H-indeno[1,2-b]anthracene CAS RN: 1196107-75-1	B5717  9-([1,1'-Biphenyl]-4-yl)-anthracene CAS RN: 323195-31-9	B5718  9-([1,1'-Biphenyl]-3-yl)-10-bromoanthracene CAS RN: 844679-02-3	B5751  9-(4-Biphenyl)-10-bromo-2-phenylanthracene CAS RN: 1195975-03-1	B5770  10-(4-[1,1'-Biphenyl]yl)-anthracene-9-carboxylic Acid Pinacol Ester CAS RN: 1416243-42-9

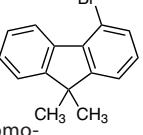
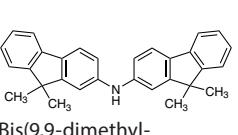
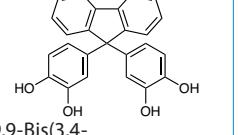
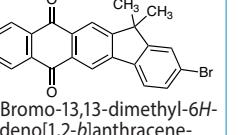
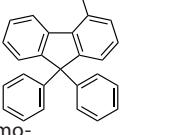
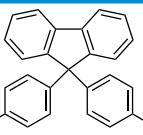
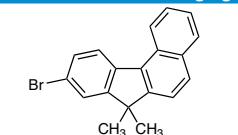
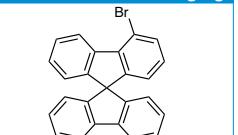
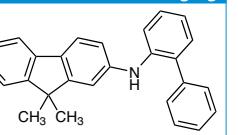
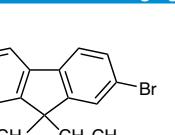
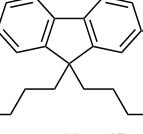
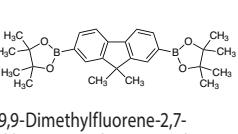
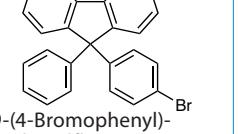
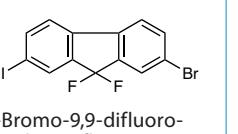
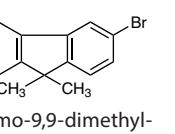
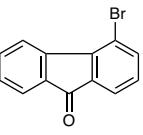
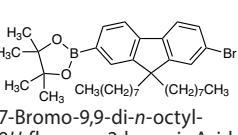
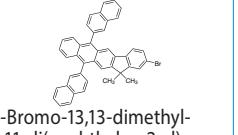
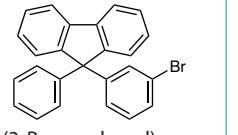
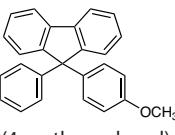
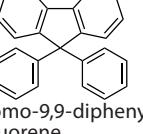
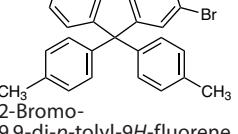
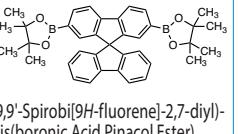
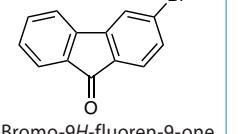
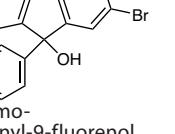
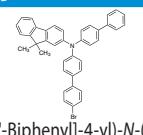
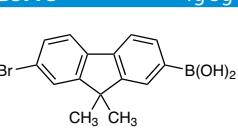
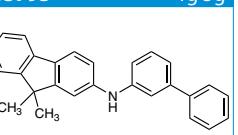
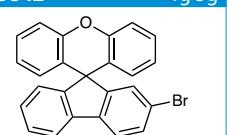
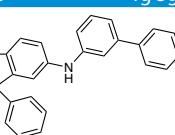
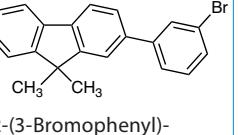
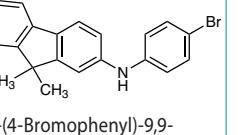
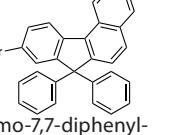
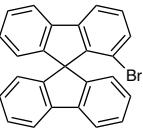
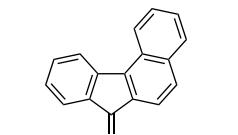
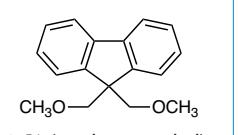
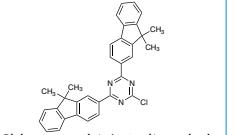
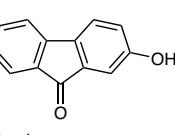
Building Blocks for Organic Semiconductor

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D0166  9,10-Dibromoanthracene CAS RN: 523-27-3	D0327  9,10-Dichloroanthracene CAS RN: 605-48-1	D2980  2,3-Dimethylantraquinone CAS RN: 6531-35-7	D3171  2,6-Dibromoanthracene CAS RN: 186517-01-1	D3180  2,6-Diaminoanthraquinone CAS RN: 131-14-6
D3181  1,5-Dibromoanthraquinone CAS RN: 602-77-7	D3182  2,6-Dibromoanthraquinone CAS RN: 633-70-5	D3183  1,5-Dibromoanthracene CAS RN: 3278-82-8	D4151  1,8-Diiodoanthracene CAS RN: 189105-78-0	D4230  1,8-Dibromoanthracene CAS RN: 131276-24-9
D4254  10,10'-Dibromo-9,9'-bianthracene CAS RN: 121848-75-7	D4646  2,6-Dibromo-9,10-di(2-naphthyl)anthracene CAS RN: 561064-15-1	D4647  9,10-Diphenylanthracene-2-boronic Acid CAS RN: 597553-98-5	D4862  2,6-Dibromo-9,10-bis(4-tert-butylphenyl)anthracene CAS RN: 1187763-68-3	D4977  9,10-Dibromo-2-methylanthracene CAS RN: 177839-45-1
D4986  2,6-Dibromo-9,10-diphenylanthracene CAS RN: 528609-98-5	D5151  2,6-Anthracenediol CAS RN: 101488-73-7	D5307  [9,10-Di(naphthalen-2-yl)-anthracen-2-yl]boronic Acid Pinacol Ester CAS RN: 624744-67-8	D5837  9,10-Dibromo-2-phenylanthracene CAS RN: 929103-26-4	E1301  9-Ethynylphenanthrene CAS RN: 32870-98-7
H1565  2-Hydroxyanthracene CAS RN: 613-14-9	M0156  2-Methylantraquinone CAS RN: 84-54-8	N0929  10-(2-Naphthyl)anthracene-9-boronic Acid CAS RN: 597554-03-5	N0987  9-Nitroanthracene CAS RN: 602-60-8	N0994  9-(1-Naphthyl)anthracene CAS RN: 7424-70-6
N1058  [10-[4-(1-Naphthyl)phenyl]-9-anthryl]boronic Acid CAS RN: 853945-50-3	N1130  9-(2-Naphthyl)anthracene CAS RN: 7424-72-8	P1137  9,10-Bis(phenylethynyl)-anthracene CAS RN: 10075-85-1	P1984  10-Phenyl-9-anthracene-boronic Acid CAS RN: 334658-75-2	P2588  2-Phenylanthraquinone CAS RN: 6485-97-8
P2783  2-Phenylanthracene CAS RN: 1981-38-0	T3276  4-(10-Phenylanthracen-9-yl)phenylboronic Acid Pinacol Ester CAS RN: 1143576-84-4	T3280  10-(1,1'3',1"-Terphenyl-5-yl)anthracene-9-boronic Acid CAS RN: 1415334-59-6	T3306  10-(1-Naphthyl)anthracene-9-boronic Acid Pinacol Ester CAS RN: 1149804-35-2	T3665  10-Phenylanthracene-9-boronic Acid Pinacol Ester CAS RN: 460347-59-5

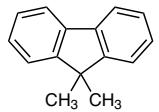
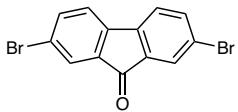
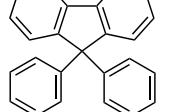
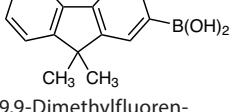
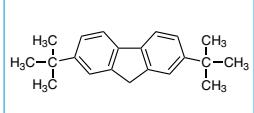
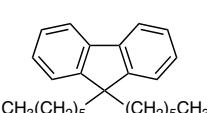
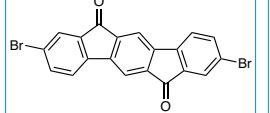
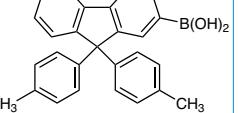
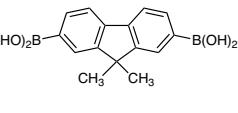
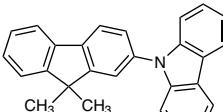
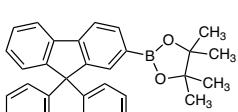
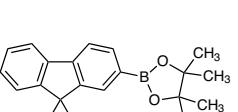
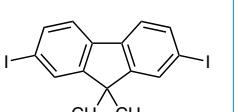
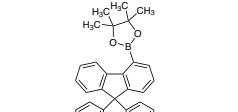
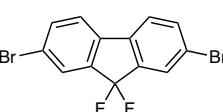
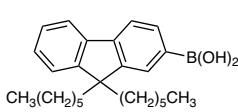
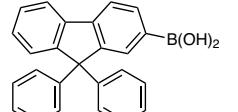
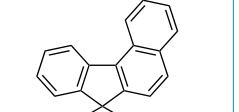
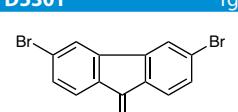
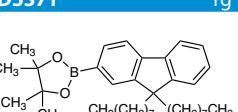
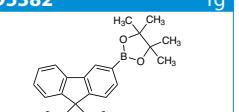
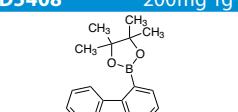
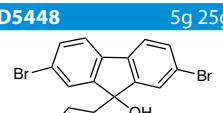
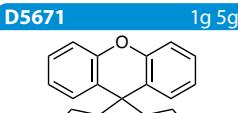
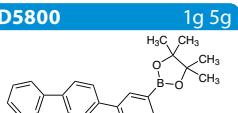
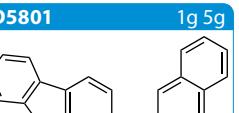
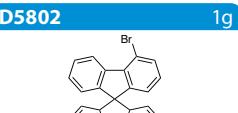
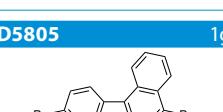
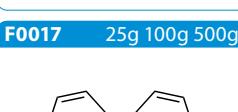
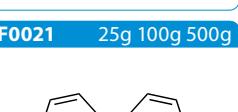
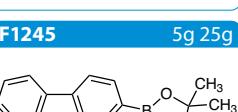
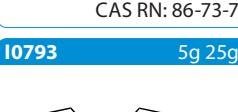
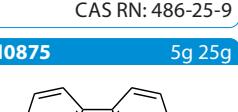
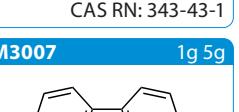
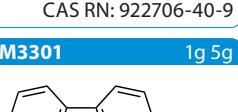
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B6037  1g 5g 3-Bromophenanthrene-9,10-dione CAS RN: 13292-05-2	D4692  1g 3,6-Dibromophenanthrene-9,10-dione CAS RN: 53348-05-3	D5050  200mg 1g 2,7-Dibromophenanthrene CAS RN: 62325-30-8	P1093  1g 5g 9-Phenanthreneboronic Acid CAS RN: 68572-87-2
B4442  1g 5g 2-Bromotriphenylene CAS RN: 19111-87-6	B4746  200mg 1g 2-(3-Bromophenyl)-triphenylene CAS RN: 1313514-53-2	B4955  1g 5g 2-(4-Bromophenyl)-triphenylene CAS RN: 1158227-56-5	D4801  200mg 1g 2,7-Dibromotriphenylene CAS RN: 888041-37-0
H0907  1g 5g 2,3,6,7,10,11-Hexahydroxy-triphenylene CAS RN: 4877-80-9	H1201  100mg 1g 2,3,6,7,10,11-Hexabromo-triphenylene CAS RN: 82632-80-2	H1677  200mg 3,6,7,10,11-Pentakis(hexyloxy)-triphenylene-2-ol CAS RN: 156244-98-3	I0978  200mg 1g 2-Iodotriphenylene CAS RN: 1228778-59-3
T3304  200mg 1g 2-Triphenylene-carboxaldehyde CAS RN: 96404-79-4	T3322  1g 5g Triphenylene-2-ylboronic Acid Pinacol Ester CAS RN: 890042-13-4	Perylenes 	D3871  1g 5g 1,7-Dibromo-3,4,9,10-perylenetetracarboxylic Dianhydride CAS RN: 118129-60-5
T3089  200mg 1g (3-Perylenyl)boronic Acid Pinacol Ester CAS RN: 950761-81-6	A0632  1g 5g 25g 1-Aminopyrene CAS RN: 1606-67-3	A3241  1g 1-Aminopyrene (purified by sublimation) CAS RN: 1606-67-3	P2110  1g 5g 3-Formylperylene CAS RN: 35438-63-2
B2807  1g 5g 4-Bromopyrene CAS RN: 1732-26-9	B3956  1g 5g Pyrene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 688756-58-3	B3957  1g 5g 2-Bromo-7-tert-butylpyrene CAS RN: 78751-80-1	B5489  1g 5g [7-(tert-Butyl)pyren-2-yl]-boronic Acid Pinacol Ester CAS RN: 1270030-08-4
B6006  1g 5g Pyrene-1,6-diboronic Acid Bis(pinacol) Ester CAS RN: 950779-13-2	C1637  1g 1-Chloromethylpyrene CAS RN: 1086-00-6	D2160  100mg 500mg 1,6-Diaminopyrene CAS RN: 14923-84-3	D2167  100mg 1,3-Diaminopyrene CAS RN: 92821-64-2
B5755  1g 5g 1-(4-Bromophenyl)pyrene CAS RN: 345924-29-0	D3167  1g 5g 1,6-Dibromopyrene CAS RN: 27973-29-1		

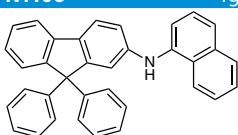
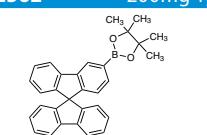
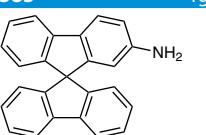
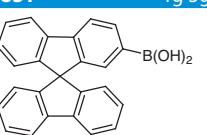
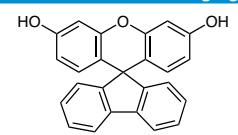
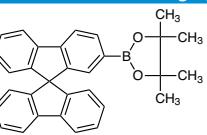
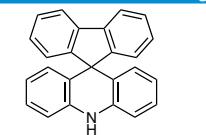
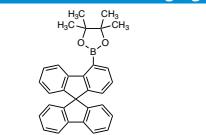
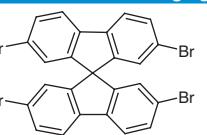
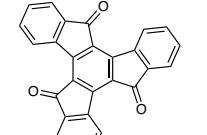
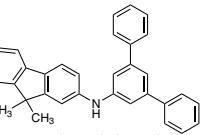
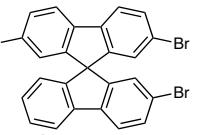
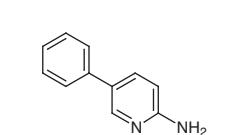
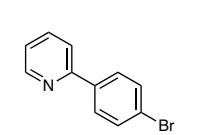
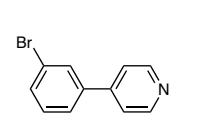
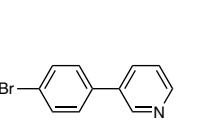
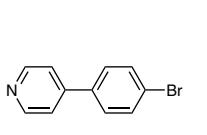
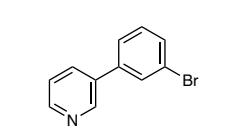
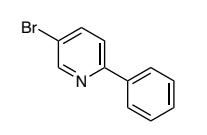
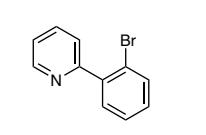
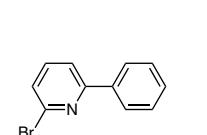
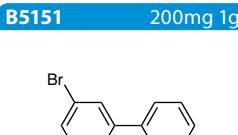
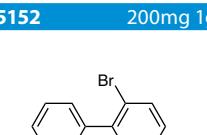
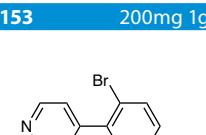
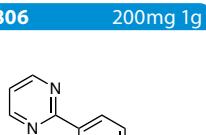
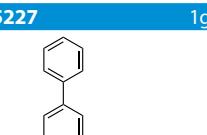
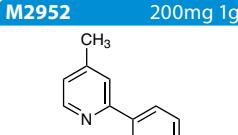
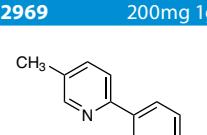
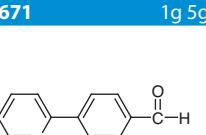
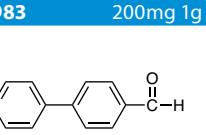
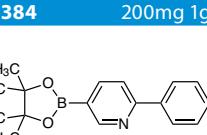
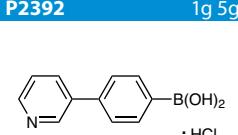
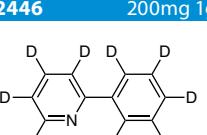
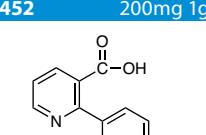
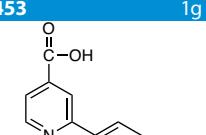
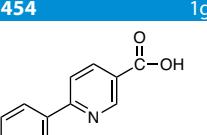
Building Blocks for Organic Semiconductor

D3168 200mg 1g  1,8-Dibromopyrene CAS RN: 38303-35-4	D3169 1g  2,7-Dibromopyrene CAS RN: 102587-98-4	D4187 1g 5g  1,3-Dibromo-7-tert-butylpyrene CAS RN: 1005771-04-9	D5236 200mg 1g  1,6-Dibromo-3,8-diisopropylpyrene CAS RN: 869340-02-3	E0939 200mg 1g  1-Ethylnylpyrene CAS RN: 34993-56-1
I0977 200mg 1g  1-Iodopyrene CAS RN: 34244-15-0	M2919 1g 5g  1-Methoxypyrene CAS RN: 34246-96-3	N0419 5g 25g  1-Nitropyrene CAS RN: 5522-43-0	N0838 1g  4-Nitropyrene CAS RN: 57835-92-4	N1061 1g  4-Nitro-1,2,3,6,7,8-hexahydropyrene CAS RN: 88535-47-1
P1221 1g 5g  1-Pyrenemethanol CAS RN: 24463-15-8	P1448 1g 5g  1-Formylpyrene CAS RN: 3029-19-4	P1625 1g 5g 25g  1-Pyreneboronic Acid CAS RN: 16461-18-1	P1687 1g 5g  1-Pyrenecarboxylic Acid CAS RN: 19694-02-1	P2305 1g 5g  4-(1-Pyrenyl)phenylboronic Acid CAS RN: 872050-52-7
T2655 100mg  4,5,9,10-Tetrahydronaphthalene (purified by sublimation) CAS RN: 781-17-9	T2716 5g  1,3,6,8-Tetrabromopyrene CAS RN: 128-63-2	T3150 1g 5g  2-Pyreneboronic Acid Pinacol Ester CAS RN: 853377-11-4	Fluorenes/ Florenones	
A1040 1g 5g  2-Amino-9-fluorenone CAS RN: 3096-57-9	A2634 200mg 1g  2-Amino-9,9-dimethylfluorene CAS RN: 108714-73-4	A2779 1g 5g  2-Amino-9,9-diphenylfluorene CAS RN: 1268519-74-9	A3061 1g  2-Acetyl-7-bromofluorene CAS RN: 34172-50-4	B0059 100mg 1g  2,3-Benzofluorene CAS RN: 243-17-4
B1318 1g  9,9'-Bifluorenylidene CAS RN: 746-47-4	B1702 5g 25g  9-Bromo-9-phenylfluorene CAS RN: 55135-66-5	B3069 5g 25g 100g  2-Bromofluorene CAS RN: 1133-80-8	B3109 5g 25g  2-Bromo-9-fluorenone CAS RN: 3096-56-8	B3560 1g 5g  2-Bromo-9,9'-spirobi[9H-fluorene] CAS RN: 171408-76-7
B3894 5g 25g  2-Bromo-9,9-dimethylfluorene CAS RN: 28320-31-2	B3931 200mg 1g  1,2-Benzofluorene CAS RN: 238-84-6	B3932 5g  11H-Benzo[b]fluoren-11-one CAS RN: 3074-03-1	B3933 1g  11H-Benzo[a]fluoren-11-one CAS RN: 479-79-8	B4366 1g  2-Bromo-9,9-di-n-octylfluorene CAS RN: 302554-80-9
B4404 200mg 1g  2-Bromo-9,9-dihexylfluorene CAS RN: 226070-05-9	B4424 1g 5g  2-(4-Biphenylyl)amino-9,9-dimethylfluorene CAS RN: 897671-69-1	B4431 5g 25g  2-Bromo-7-iodofluorene CAS RN: 123348-27-6	B4441 1g  2-Bromo-9,9-bis(2-ethylhexyl)fluorene CAS RN: 355135-07-8	B4450 1g 5g  2-Bromo-9,9-diphenylfluorene CAS RN: 474918-32-6

B4661  4-Bromo-9,9-dimethylfluorene CAS RN: 942615-32-9	B4664  Bis(9,9-dimethyl-9H-fluoren-2-yl)amine CAS RN: 500717-23-7	B4665  9,9-Bis(3,4-dihydroxyphenyl)fluorene CAS RN: 351521-78-3	B4668  2-Bromo-13,13-dimethyl-6H-indeno[1,2-b]anthracene-6,11(13H)-dione CAS RN: 1196107-73-9	B4776  4-Bromo-9,9-diphenylfluorene CAS RN: 713125-22-5
B4834  9,9-Bis(4-hydroxyphenyl)fluorene (purified by sublimation) CAS RN: 3236-71-3	B4952  9-Bromo-7,7-dimethyl-7H-benzo[c]fluorene CAS RN: 1198396-46-1	B5031  4-Bromo-9,9'-spirobi[9H-fluorene] CAS RN: 1161009-88-6	B5122  2-(2-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 1198395-24-2	B5126  2-Bromo-9,9-diethylfluorene CAS RN: 287493-15-6
B5127  2-Bromo-9,9-dibutylfluorene CAS RN: 88223-35-2	B5157  9,9-Dimethylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 325129-69-9	B5221  9-(4-Bromophenyl)-9-phenylfluorene CAS RN: 937082-81-0	B5327  2-Bromo-9,9-difluoro-7-iodo-9H-fluorene CAS RN: 1499193-60-0	B5436  3-Bromo-9,9-dimethyl-9H-fluorene CAS RN: 1190360-23-6
B5521  4-Bromo-9H-fluoren-9-one CAS RN: 4269-17-4	B5580  7-Bromo-9,9-di-n-octyl-9H-fluorene-2-boronic Acid Pinacol Ester CAS RN: 620624-96-6	B5581  2-Bromo-13,13-dimethyl-6,11-di(naphthalen-2-yl)-13H-indeno[1,2-b]anthracene CAS RN: 1196107-75-1	B5616  9-(3-Bromophenyl)-9-phenyl-9H-fluorene CAS RN: 1257251-75-4	B5617  9,9-Bis(4-methoxyphenyl)-9H-fluorene CAS RN: 117766-40-2
B5618  3-Bromo-9,9-diphenyl-9H-fluorene CAS RN: 1547491-70-2	B5619  2-Bromo-9,9-di-p-tolyl-9H-fluorene CAS RN: 474918-33-7	B5656  (9,9'-Spirobi[9H-fluorene]-2,7-diy)-bis(boronic Acid Pinacol Ester) CAS RN: 728911-52-2	B5673  3-Bromo-9H-fluoren-9-one CAS RN: 2041-19-2	B5678  2-Bromo-9-phenyl-9-fluorenonol CAS RN: 736928-22-6
B5719  N-((1,1'-Biphenyl)-4-yl)-N-(4'-bromo-[1,1'-biphenyl]-4-yl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1268621-99-3	B5773  7-Bromo-9,9-dimethyl-9H-fluorene-2-boronic Acid CAS RN: 1213768-48-9	B5793  2-(3-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 1372778-66-9	B5842  2-Bromospiro[9H-fluorene-9,9'-xanthene] CAS RN: 899422-06-1	B5856  2-(3-Biphenyl)amino-9,9-diphenylfluorene CAS RN: 1607480-14-7
B5988  2-Bromo-7-chloro-9,9-dimethyl-9H-fluorene CAS RN: 605630-37-3	B6128  4-Bromospiro[fluorene-9,9'-xanthene] CAS RN: 1609484-45-8	B6132  2-(3-Bromophenyl)-9,9-dimethyl-9H-fluorene CAS RN: 881912-14-7	B6133  N-(4-Bromophenyl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1644059-09-5	B6134  9-Bromo-7,7-diphenyl-7H-benzo[c]fluorene CAS RN: 1384207-26-4
B6138  1-Bromo-9,9-spirobi[9H-fluorene] CAS RN: 1450933-18-2	B6180  7H-Benzoc[cl]fluoren-7-one CAS RN: 6051-98-5	B6223  9,9-Bis(methoxymethyl)-9H-fluorene CAS RN: 182121-12-6	C3543  2-Chloro-4,6-bis(9,9-dimethyl-9H-fluoren-2-yl)-1,3,5-triazine CAS RN: 1459162-69-6	D1685  2,7-Dihydroxy-9H-fluoren-9-one CAS RN: 42523-29-5

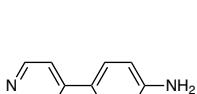
Building Blocks for Organic Semiconductor

D3235 1g 5g  9,9-Dimethylfluorene CAS RN: 4569-45-3	D3557 5g 25g  2,7-Dibromo-9-fluorenone CAS RN: 14348-75-5	D3586 5g 25g  9,9-Diphenylfluorene CAS RN: 20302-14-1	D3872 1g  2,2'-Dibromo-9,9'-spirobi[9H-fluorene] CAS RN: 67665-47-8	D3974 1g 5g  9,9-Dimethylfluorene-2-boronic Acid CAS RN: 333432-28-3
D4084 5g 25g  2,7-Di-tert-butylfluorene CAS RN: 58775-05-6	D4327 1g 5g  9,9-Dihexylfluorene CAS RN: 123863-97-8	D4573 1g  2,8-Dibromoindeno[1,2-b]fluorene-6,12-dione CAS RN: 853234-57-8	D4642 200mg  9,9-Di(p-tolyl)fluorene-2-boronic Acid CAS RN: 1193104-83-4	D4701 1g  (9,9-Dimethyl-9H-fluorene-2,7-diy)boronic Acid CAS RN: 866100-14-3
D4981 1g 5g  9-(9,9-Dimethylfluorene-2-yl)-9H-carbazole CAS RN: 866100-16-5	D5009 200mg 1g  (9,9-Diphenyl-9H-fluoren-2-yl)boronic Acid Pinacol Ester CAS RN: 462128-39-8	D5018 1g 5g  9,9-Dimethylfluorene-2-boronic Acid Pinacol Ester CAS RN: 569343-09-5	D5032 1g 5g  2,7-Diido-9,9-dimethylfluorene CAS RN: 144981-86-2	D5033 200mg 1g  9,9-Diphenyl-9H-fluorene-4-boronic Acid Pinacol Ester CAS RN: 1259280-37-9
D5053 200mg 1g  2,7-Dibromo-9,9-difluorofluorene CAS RN: 1229603-71-7	D5054 1g  9,9-Dihexylfluorene-2-boronic Acid CAS RN: 371193-08-7	D5084 200mg 1g  9,9-Diphenylfluorene-2-boronic Acid CAS RN: 400607-31-0	D5125 1g 5g  7,7-Dimethyl-7H-benzo[c]fluorene CAS RN: 112486-09-6	D5215 5g  2,7-Dibromo-9,9-bis(2-ethylhexyl)fluorene CAS RN: 188200-93-3
D5269 1g  5,9-Dibromo-7,7-dimethyl-7H-benzo[c]fluorene CAS RN: 1056884-35-5	D5301 1g  3,6-Dibromo-9H-fluoren-9-one CAS RN: 216312-73-1	D5371 1g  9,9-Di-n-octylfluorene-2-boronic Acid Pinacol Ester CAS RN: 302554-81-0	D5382 1g  (9,9-Diphenyl-9H-fluoren-3-yl)boronic Acid Pinacol Ester CAS RN: 1644466-71-6	D5408 200mg 1g  9,9-Dimethyl-9H-fluorene-4-boronic Acid Pinacol Ester CAS RN: 1365692-79-0
D5448 5g 25g  2,7-Dibromo-9-phenyl-9H-fluoren-9-ol CAS RN: 132717-37-4	D5671 1g 5g  2,7-Dibromospiro[9H-fluorene-9,9'-xanthene] CAS RN: 198142-65-3	D5800 1g 5g  2-[3-(9,9-Dimethyl-9H-fluoren-2-yl)phenyl]-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAS RN: 1005771-03-8	D5801 1g 5g  9,9-Dimethyl-N-(2-naphthyl)-9H-fluoren-2-amine CAS RN: 1263001-82-6	D5802 1g  4,4'-Dibromo-9,9'-spirobi[9H-fluorene] CAS RN: 1257321-41-7
D5805 1g  5,9-Dibromo-7,7-diphenyl-7H-benzo[c]fluorene CAS RN: 854952-90-2	F0017 25g 100g 500g  Fluorene CAS RN: 86-73-7	F0021 25g 100g 500g  9-Fluorenone CAS RN: 486-25-9	F0228 5g 25g  2-Fluorofluorene CAS RN: 343-43-1	F1245 5g 25g  9H-Fluorene-2-boronic Acid Pinacol Ester CAS RN: 922706-40-9
H0329 1g  2-Hydroxy-9-fluorenone CAS RN: 6949-73-1	I0793 5g 25g  2-Iodofluorene CAS RN: 2523-42-4	I0875 5g 25g  2-Iodo-9,9-dimethylfluorene CAS RN: 144981-85-1	M3007 1g 5g  9-Methyl-9H-fluoren-9-ol CAS RN: 6311-22-4	M3301 1g 5g  2-Methoxy-9,9-dimethyl-9H-fluorene CAS RN: 1514864-84-6

N1106  1g 2-[Naphthalen-1-yl]amino]-9,9-diphenyl-9H-fluorene CAS RN: 1196694-11-7	P2562  200mg 1g (9,9'-Spirobi[fluoren]-3-yl)boronic Acid Pinacol Ester CAS RN: 1346007-05-3	P2585  1g 9,9'-Spirobi[9H-fluoren]-2-amine CAS RN: 118951-68-1	S0800  1g 5g 9,9'-Spirobi[9H-fluorene] CAS RN: 159-66-0	S0831  1g 5g 9,9'-Spirobi[9H-fluorene]-2-boronic Acid CAS RN: 236389-21-2
S0953  1g 5g Spiro[fluorene-9,9'-xanthene]-3',6'-diol CAS RN: 4081-00-9	S0980  1g 5g (9,9'-Spirobi[fluoren]-7-yl)boronic Acid Pinacol Ester CAS RN: 884336-44-1	S0984  1g 10H-Spiro[acridine-9,9'-fluorene] CAS RN: 92638-81-8	S0994  200mg 1g (9,9'-Spirobi[fluoren]-4-yl)boronic Acid Pinacol Ester CAS RN: 1161009-89-7	T2597  1g 5g 2,2',7,7'-Tetrabromo-9,9'-spirobi[9H-fluorene] CAS RN: 128055-74-3
T2759  1g 2,2',7,7'-Tetrabromo-9,9'-bifluorenylidene CAS RN: 27192-91-2	T3249  200mg Truxenone CAS RN: 4430-15-3	T3807  1g N-(3,5-Diphenylphenyl)-9,9-dimethylfluorene-2-amine CAS RN: 1372778-68-1	T3916  1g 2,2',7-Tribromo-9,9'-spirobi[fluorene] CAS RN: 171408-77-8	Phenylpyridines
A1667  100mg 1g 2-Amino-5-phenylpyridine CAS RN: 33421-40-8	B4500  1g 5g 2-(4-Bromophenyl)pyridine CAS RN: 63996-36-1	B4616  1g 5g 4-(3-Bromophenyl)pyridine CAS RN: 4373-72-2	B4617  1g 5g 3-(4-Bromophenyl)pyridine CAS RN: 129013-83-8	B4663  1g 4-(4-Bromophenyl)pyridine CAS RN: 39795-60-3
B4865  1g 5g 3-(3-Bromophenyl)pyridine CAS RN: 4422-32-6	B5018  1g 5g 5-Bromo-2-phenylpyridine CAS RN: 27012-25-5	B5044  200mg 1g 2-(2-Bromophenyl)pyridine CAS RN: 109306-86-7	B5113  1g 5g 2-(3-Bromophenyl)pyridine CAS RN: 4373-60-8	B5150  200mg 1g 2-Bromo-6-phenylpyridine CAS RN: 39774-26-0
B5151  200mg 1g 3-Bromo-5-phenylpyridine CAS RN: 142137-17-5	B5152  200mg 1g 3-(2-Bromophenyl)pyridine CAS RN: 847264-30-6	B5153  200mg 1g 4-(2-Bromophenyl)pyridine CAS RN: 101681-34-9	B5806  200mg 1g 2-(4-Bromophenyl)pyrimidine CAS RN: 210354-17-9	D5227  1g 2,4-Diphenylpyridine CAS RN: 26274-35-1
M2952  200mg 1g 4-Methyl-2-phenylpyridine CAS RN: 3475-21-6	M2969  200mg 1g 5-Methyl-2-phenylpyridine CAS RN: 27012-22-2	P1671  1g 5g 4-(2-Pyridyl)benzaldehyde CAS RN: 127406-56-8	P1983  200mg 1g 4-(4-Pyridyl)benzaldehyde CAS RN: 99163-12-9	P2384  200mg 1g 6-Phenyl-3-pyridylboronic Acid Pinacol Ester CAS RN: 879291-27-7
P2392  1g 5g 4-(3-Pyridyl)phenylboronic Acid Hydrochloride CAS RN: 2377369-59-8	P2446  200mg 1g 2-Phenylpyridine-d ₉ 99.0atom%D CAS RN: 403724-67-4	P2452  200mg 1g 2-Phenylnicotinic Acid CAS RN: 33421-39-5	P2453  1g 2-Phenylisonicotinic Acid CAS RN: 55240-51-2	P2454  1g 6-Phenylnicotinic Acid CAS RN: 29051-44-3

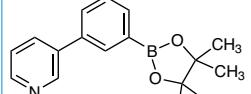
Building Blocks for Organic Semiconductor

P2782 1g 5g



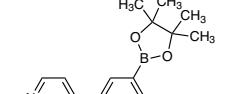
4-(Pyridin-4-yl)aniline
CAS RN: 13296-04-3

T3313 1g 5g



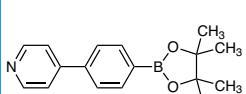
3-(3-Pyridyl)phenylboronic Acid Pinacol Ester
CAS RN: 939430-30-5

T3399 200mg 1g



3-(4-Pyridyl)phenylboronic Acid Pinacol Ester
CAS RN: 1009033-83-3

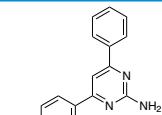
T3400 200mg 1g



4-(4-Pyridyl)phenylboronic Acid Pinacol Ester
CAS RN: 1009033-87-7

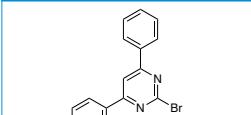
Pyrimidines

A2921 1g 5g



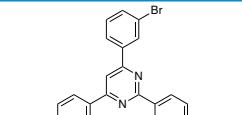
2-Amino-4,6-diphenylpyrimidine
CAS RN: 40230-24-8

B4662 200mg 1g



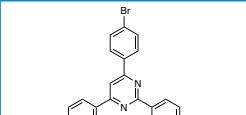
2-Bromo-4,6-diphenylpyrimidine
CAS RN: 56181-49-8

B4930 200mg 1g



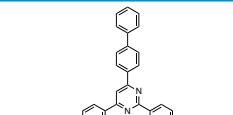
4-(3-Bromophenyl)-2,6-diphenylpyrimidine
CAS RN: 864377-28-6

B4933 1g



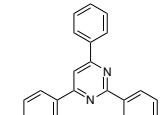
4-(4-Bromophenyl)-2,6-diphenylpyrimidine
CAS RN: 58536-46-2

B4953 1g 5g



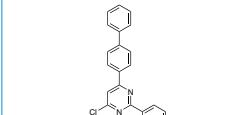
4-(Biphenyl-4-yl)-6-(4-bromophenyl)-2-phenylpyrimidine
CAS RN: 1421599-34-9

B5797 200mg 1g



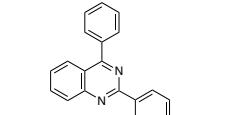
2-(4-Bromophenyl)-4,6-diphenylpyrimidine
CAS RN: 457613-56-8

B5802 1g 5g



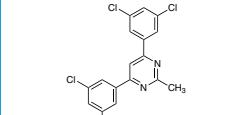
4-([1,1'-Biphenyl]-4-yl)-6-chloro-2-phenylpyrimidine
CAS RN: 1689538-58-6

B5829 200mg 1g



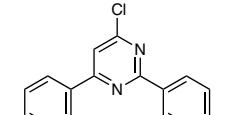
2-(4-Bromophenyl)-4-phenylquinazoline
CAS RN: 540466-42-0

B6194 1g



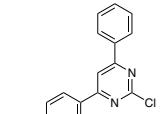
4,6-Bis(3,5-dichlorophenyl)-2-methylpyrimidine
CAS RN: 1030380-50-7

C3016 1g 5g



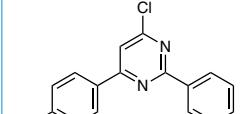
4-Chloro-2,6-diphenylpyrimidine
CAS RN: 29509-91-9

C3123 1g 5g



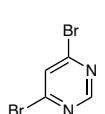
2-Chloro-4,6-diphenylpyrimidine
CAS RN: 2915-16-4

C3518 200mg 1g



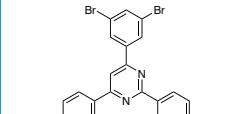
4-Chloro-6-(4-chlorophenyl)-2-phenylpyrimidine
CAS RN: 1354749-13-5

D4600 1g 5g



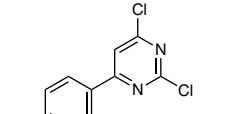
4,6-Dibromopyrimidine
CAS RN: 36847-10-6

D4895 200mg 1g



4-(3,5-Dibromophenyl)-2,6-diphenylpyrimidine
CAS RN: 607740-08-9

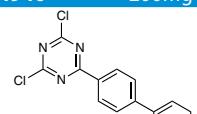
D5505 1g 5g



2,4-Dichloro-6-phenylpyrimidine
CAS RN: 26032-72-4

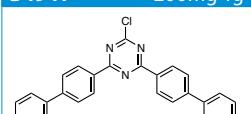
Triazines

B4940 200mg 1g



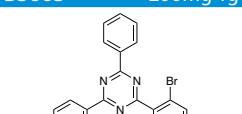
2-(4-Biphenyl)-4,6-dichloro-1,3,5-triazine
CAS RN: 10202-45-6

B4941 200mg 1g



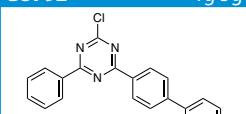
2,4-Bis(4-biphenyl)-6-chloro-1,3,5-triazine
CAS RN: 182918-13-4

B5663 200mg 1g



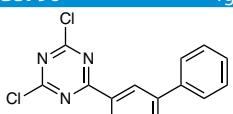
2-(2-Bromophenyl)-4,6-diphenyl-1,3,5-triazine
CAS RN: 77989-15-2

B5792 1g 5g



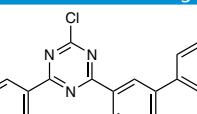
2-([1,1'-Biphenyl]-4-yl)-4-chloro-6-phenyl-1,3,5-triazine
CAS RN: 1472062-94-4

B5796 1g



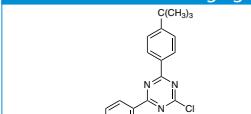
2-([1,1'-Biphenyl]-3-yl)-4,6-dichloro-1,3,5-triazine
CAS RN: 1402225-89-1

B5803 1g 5g



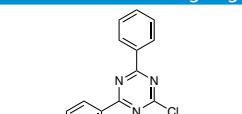
2-([1,1'-Biphenyl]-3-yl)-4-chloro-6-phenyl-1,3,5-triazine
CAS RN: 1689576-03-1

B5804 200mg 1g



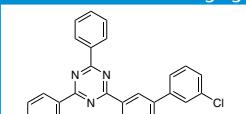
2,4-Bis[4-(tert-butyl)phenyl]-6-chloro-1,3,5-triazine
CAS RN: 253158-13-3

C2703 5g 25g



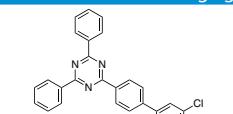
2-Chloro-4,6-diphenyl-1,3,5-triazine
CAS RN: 3842-55-5

C3162 200mg 1g



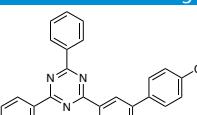
2-(3'-Chlorobiphenyl-3-yl)-4,6-diphenyl-1,3,5-triazine
CAS RN: 1443049-83-9

C3163 200mg 1g



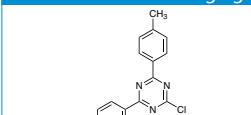
2-(3'-Chlorobiphenyl-4-yl)-4,6-diphenyl-1,3,5-triazine
CAS RN: 1443049-84-0

C3164 200mg 1g



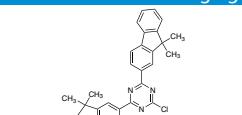
2-(4-Chlorobiphenyl-3-yl)-4,6-diphenyl-1,3,5-triazine
CAS RN: 1443049-85-1

C3514 1g 5g



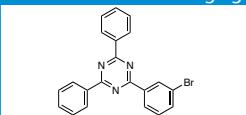
2-Chloro-4,6-di-p-tolyl-1,3,5-triazine
CAS RN: 21902-34-1

C3543 1g 5g



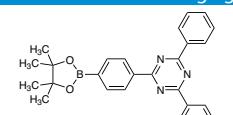
2-Chloro-4,6-bis(9,9-dimethyl-9H-fluoren-2-yl)-1,3,5-triazine
CAS RN: 1459162-69-6

D4902 200mg 1g



2-(3,5-Dibromophenyl)-4,6-diphenyl-1,3,5-triazine
CAS RN: 1073062-59-5

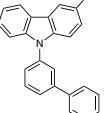
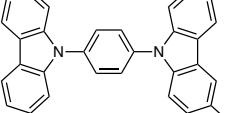
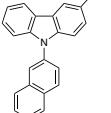
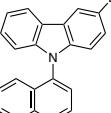
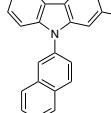
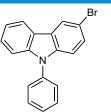
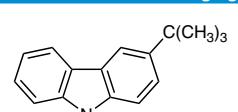
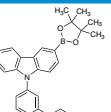
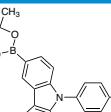
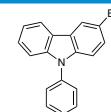
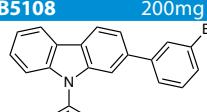
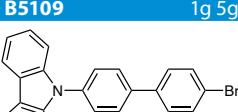
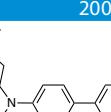
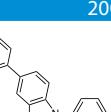
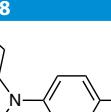
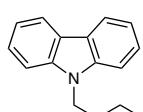
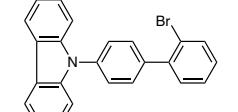
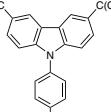
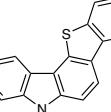
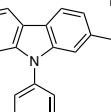
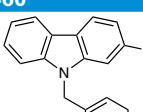
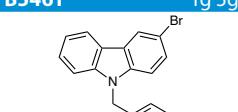
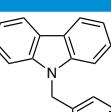
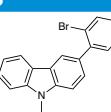
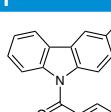
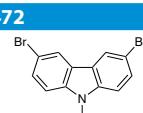
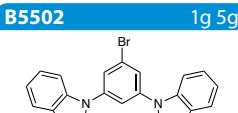
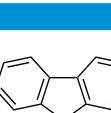
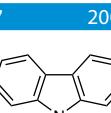
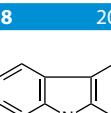
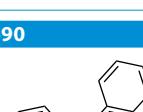
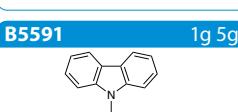
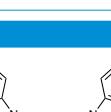
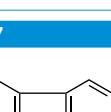
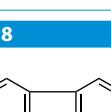
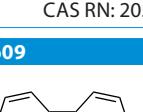
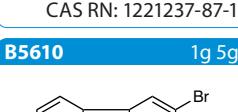
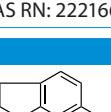
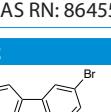
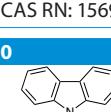
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4-(4,6-Diphenyl-1,3,5-triazine-2-yl)-phenylboronic Acid Pinacol Ester
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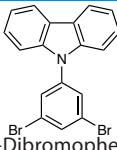
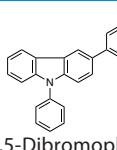
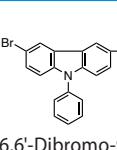
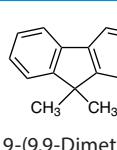
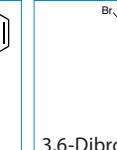
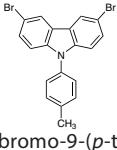
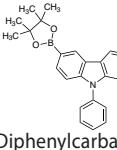
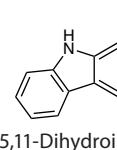
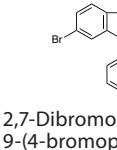
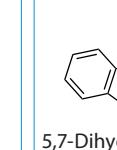
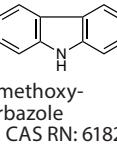
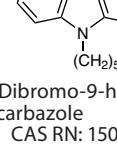
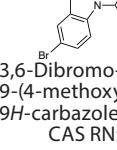
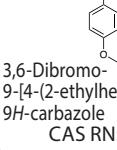
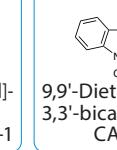
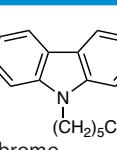
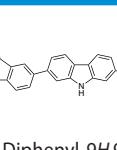
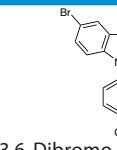
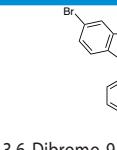
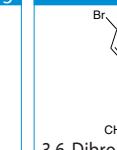
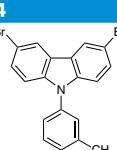
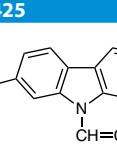
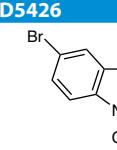
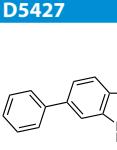
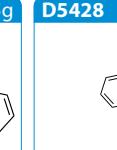
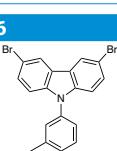
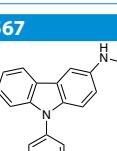
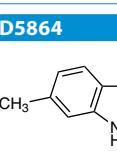
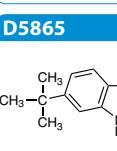
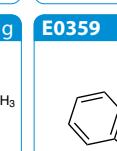
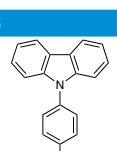
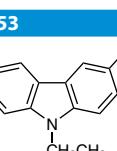
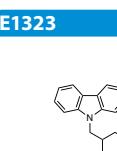
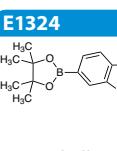
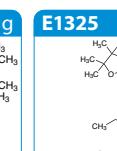
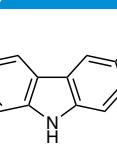
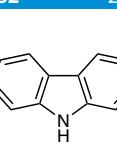
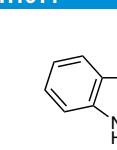
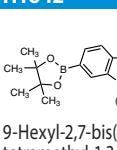
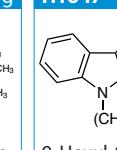
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Benzimidazoles	B2812 2-(4-Bromophenyl)-benzimidazole CAS RN: 2622-74-4	B4479 2-(4-Bromophenyl)-1-phenylbenzimidazole CAS RN: 2620-76-0	B4794 2-(3-Bromophenyl)-1-phenylbenzimidazole CAS RN: 760212-40-6	B4929 1-(4-Bromophenyl)-2-phenylbenzimidazole CAS RN: 760212-58-6
B6092 2-(2-Bromophenyl)-1H-benzimidazole CAS RN: 13275-42-8	I0983 2-(4-Iodophenyl)-1-phenylbenzimidazole CAS RN: 760212-42-8	P2158 4-(1-Phenyl-1H-benzimidazol-2-yl)phenylboronic Acid CAS RN: 952514-79-3	P2263 3-(1-Phenyl-1H-benzimidazol-2-yl)-phenylboronic Acid Pinacol Ester CAS RN: 952514-86-2	P2282 4-(2-Phenyl-1H-benzimidazol-1-yl)phenylboronic Acid CAS RN: 867044-33-5
Carbazoles	A1508 3-Amino-9-ethylcarbazole CAS RN: 132-32-1	A2051 9-Acetyl-3,6-diiodocarbazole CAS RN: 606129-89-9	B2804 9-Benzylcarbazole-3-carboxaldehyde CAS RN: 54117-37-2	B2805 9-Benzylcarbazole-3,6-dicarboxaldehyde CAS RN: 200698-05-1
B3458 3-Bromocarbazole CAS RN: 1592-95-6	B3459 3-Bromo-9-ethylcarbazole CAS RN: 57102-97-3	B3554 9-(4-Bromophenyl)carbazole CAS RN: 57102-42-8	B3908 3-Bromo-9-phenylcarbazole CAS RN: 1153-85-1	B4109 9-(2-Bromophenyl)-9H-carbazole CAS RN: 902518-11-0
B4348 9-Benzyl-3,6-dibromocarbazole CAS RN: 118599-27-2	B4381 2-Bromocarbazole CAS RN: 3652-90-2	B4427 9-(3-Bromophenyl)-carbazole CAS RN: 185112-61-2	B4439 2-Bromo-9-phenylcarbazole CAS RN: 94994-62-4	B4452 3-(4-Bromophenyl)-9-phenylcarbazole CAS RN: 1028647-93-9
B4538 9-(4-Biphenylyl)-3-bromo-carbazole CAS RN: 894791-46-9	B4635 1,2-Benzocarbazole CAS RN: 239-01-0	B4646 3,3'-Bicarbazole CAS RN: 1984-49-2	B4752 4-Bromocarbazole CAS RN: 3652-89-9	B4795 3-Bromo-6,9-diphenylcarbazole CAS RN: 1160294-85-8
B4811 3,9'-Bicarbazole CAS RN: 18628-07-4	B4816 1-Bromocarbazole CAS RN: 16807-11-7	B4883 10-Bromo-7H-benzo[c]carbazole CAS RN: 1698-16-4	B4887 3-[4-(4-Biphenylamino)-phenyl]-9-phenylcarbazole CAS RN: 1160294-96-1	B4960 DMFL-CBP CAS RN: 226958-06-1

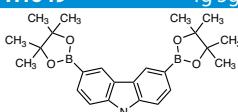
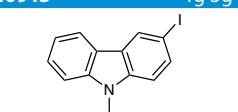
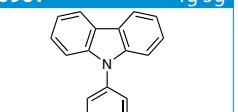
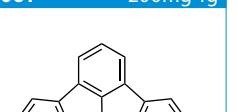
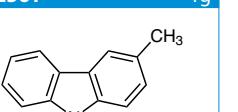
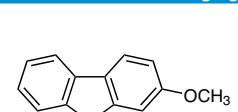
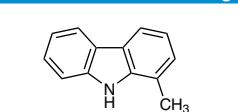
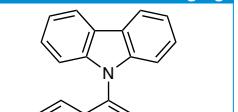
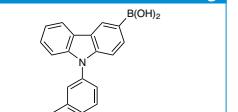
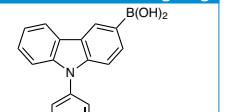
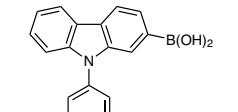
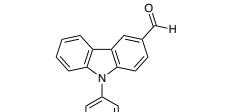
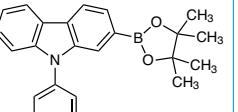
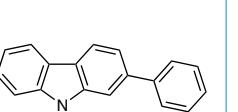
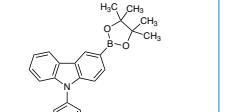
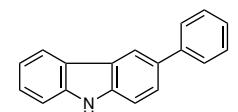
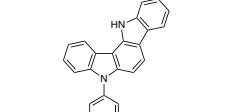
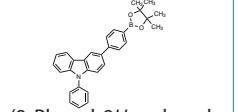
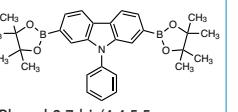
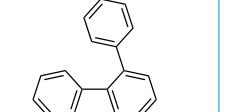
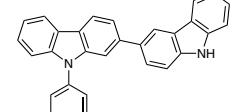
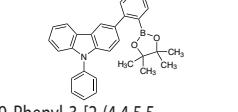
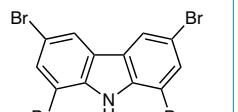
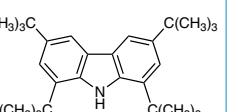
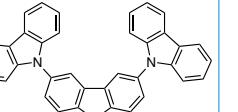
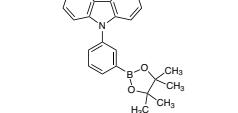
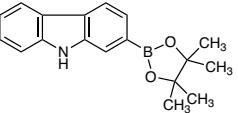
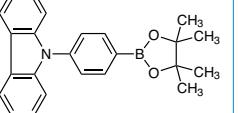
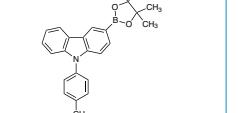
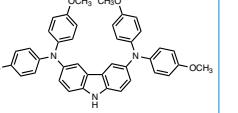
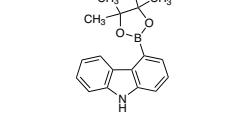
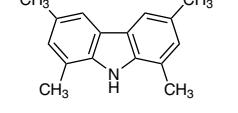
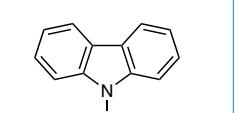
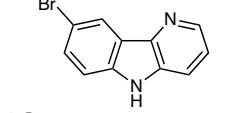
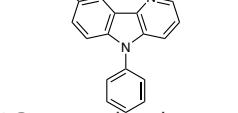
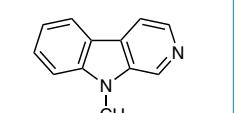
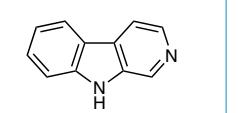
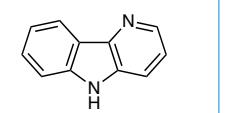
Building Blocks for Organic Semiconductor

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B5052  3-Bromo-9-(p-tolyl)-9H-carbazole CAS RN: 731016-44-7	B5053  3-(tert-Butyl)-9H-carbazole CAS RN: 22401-74-7	B5054  9-(3-Biphenyl)carbazole-3-boronic Acid Pinacol Ester CAS RN: 1533406-38-0	B5091  9-(4-Biphenyl)carbazole-3-boronic Acid Pinacol Ester CAS RN: 1391729-66-0	B5107  3-Bromo-9-(4-bromophenyl)-9H-carbazole CAS RN: 1226860-66-7
B5108  2-(3-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 1365118-41-7	B5109  9-(4'-Bromo-4-biphenyl)-carbazole CAS RN: 212385-73-4	B5110  9-(4-Biphenyl)-2-bromocarbazole CAS RN: 1393835-87-4	B5111  9-(4-Biphenyl)-3-(4-bromophenyl)carbazole CAS RN: 1028648-25-0	B5128  9-(4-Biphenyl)carbazole CAS RN: 6299-16-7
B5183  9-(3-Bromopropyl)-carbazole CAS RN: 84359-61-5	B5312  9-(2'-Bromo-4-biphenyl)-carbazole CAS RN: 1215228-57-1	B5313  9-(4-Bromophenyl)-3,6-di-tert-butylcarbazole CAS RN: 601454-33-5	B5434  5H-Benz[4,5]-thieno[3,2-c]carbazole CAS RN: 1255308-97-4	B5437  2-(2-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 1616607-88-5
B5460  9-Benzyl-2-bromo-9H-carbazole CAS RN: 1401863-51-1	B5461  9-Benzyl-3-bromo-9H-carbazole CAS RN: 339576-55-5	B5462  9-Benzyl-2,7-dibromo-9H-carbazole CAS RN: 1384281-49-5	B5465  3-(2-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 1190100-35-6	B5471  9-Benzoyl-3-bromo-9H-carbazole CAS RN: 177775-87-0
B5472  9-Benzoyl-3,6-dibromo-9H-carbazole CAS RN: 912850-81-8	B5502  1-Bromo-3,5-bis(carbazol-9-yl)benzene CAS RN: 750573-24-1	B5517  2-Bromo-7-methoxy-9H-carbazole CAS RN: 200878-50-8	B5547  9-(4-Bromobutyl)-9H-carbazole CAS RN: 10420-20-9	B5548  9-(6-Bromohexyl)-9H-carbazole CAS RN: 94847-10-6
B5590  7H-Benz[c]carbazole CAS RN: 205-25-4	B5591  9-([1,1'-Biphenyl]-3-yl)-9H-carbazole CAS RN: 1221237-87-1	B5605  1,2-Bis([3,6-dibromo-9H-carbazol-9-yl)methyl]benzene CAS RN: 222166-46-3	B5607  2-Bromo-9-hexyl-9H-carbazole CAS RN: 864550-95-8	B5608  3-Bromo-9-hexyl-9H-carbazole CAS RN: 156972-74-6
B5609  2-Bromo-9-n-octyl-9H-carbazole CAS RN: 1356465-23-0	B5610  3-Bromo-9-n-octyl-9H-carbazole CAS RN: 628337-00-8	B5611  2-Bromo-9-(2-ethylhexyl)-9H-carbazole CAS RN: 856422-39-4	B5612  3-Bromo-9-(2-ethylhexyl)-9H-carbazole CAS RN: 628336-85-6	B5620  9-[4-(tert-Butyl)phenyl]-9H-carbazole CAS RN: 57103-13-6

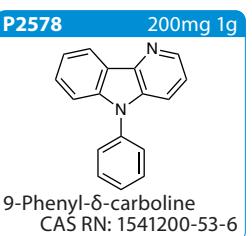
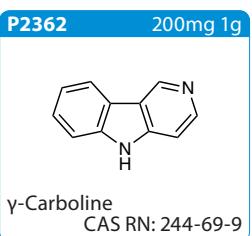
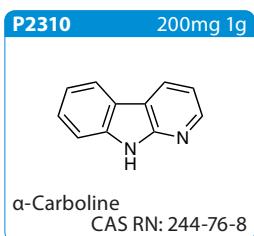
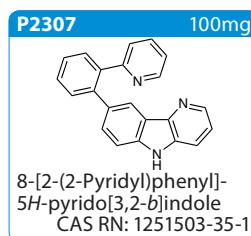
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B5869 3-(3-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 854952-59-3	B5870 5-Bromo-7H-benzo[c]-carbazole CAS RN: 131409-18-2	B5989 3-Bromo-9-[(1'1'4'1"-terphenyl)-4-yl]-9H-carbazole CAS RN: 1141017-84-6	C0032 Carbazole CAS RN: 86-74-8	C1031 Carbazole-9-carbonyl Chloride CAS RN: 73500-82-0
C2926 4-(9H-Carbazol-9-yl)-phenylboronic Acid CAS RN: 419536-33-7	C2967 3-(9H-Carbazol-9-yl)-phenylboronic Acid CAS RN: 864377-33-3	C3082 4-(9H-Carbazol-9-yl)-aniline CAS RN: 52708-37-9	C3254 Carbazole-1,2,3,4,5,6,7,8-d ₈ 98atom%D CAS RN: 38537-24-5	C3352 2-(9H-Carbazol-9-yl)-phenylboronic Acid CAS RN: 1189047-28-6
C353 [4'-(Carbazol-9-yl)-4-biphenyl]boronic Acid CAS RN: 858131-73-4	C3362 2-Chloro-9H-carbazole CAS RN: 10537-08-3	C3470 1-[4-(9H-Carbazol-9-yl)-phenyl]ethanone CAS RN: 142116-85-6	C3481 4-(9H-Carbazol-9-yl)-benzaldehyde CAS RN: 110677-45-7	C3722 Carbazole (High Purity) CAS RN: 86-74-8
D2116 3,6-Diaminocarbazole CAS RN: 86-71-5	D2981 3,6-Dibromo-9-phenylcarbazole CAS RN: 57103-20-5	D2982 3,6-Dibromo-9-ethylcarbazole CAS RN: 33255-13-9	D2983 3,6-Dibromocarbazole CAS RN: 6825-20-3	D3751 3,6-Dichlorocarbazole CAS RN: 5599-71-3
D3932 2,7-Dibromocarbazole CAS RN: 136630-39-2	D3952 3,6-Di- <i>tert</i> -butylcarbazole CAS RN: 37500-95-1	D4433 3,6-Diphenylcarbazole CAS RN: 56525-79-2	D4473 7H-Dibenzo[c,g]carbazole CAS RN: 194-59-2	D4512 3,6-Dimethylcarbazole CAS RN: 5599-50-8
D4543 3,6-Diodo-9-phenylcarbazole CAS RN: 57103-21-6	D4548 3,6-Diodocarbazole CAS RN: 57103-02-3	D4563 3,6-Dibromo-9-(4-bromophenyl)carbazole CAS RN: 73087-83-9	D4779 6,9-Diphenyl-9H-carbazole-3-boronic Acid CAS RN: 1133058-06-6	D4803 11,12-Dihydroindolo[2,3- <i>a</i>]carbazole CAS RN: 60511-85-5
D4830 3,6-Dibromo-9-(2-ethylhexyl)carbazole CAS RN: 173063-52-0	D4832 2,7-Dibromo-9-phenylcarbazole CAS RN: 444796-09-2	D4833 3,6-Dimethoxy-9H-carbazole CAS RN: 57103-01-2	D4860 11-Phenylindolo[2,3- <i>a</i>]-carbazole CAS RN: 1024598-06-8	D4910 3,6-Dibromo-9-(triphenylen-2-yl)carbazole CAS RN: 1351870-16-0

Building Blocks for Organic Semiconductor

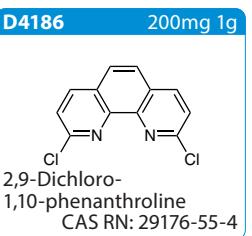
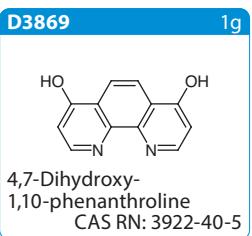
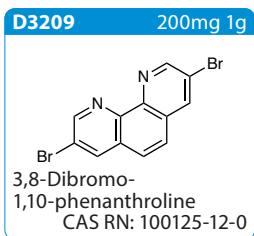
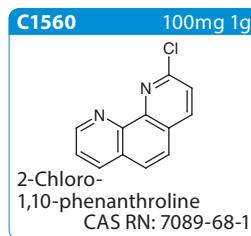
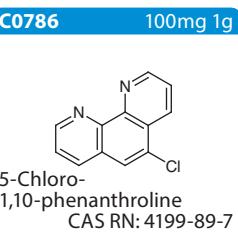
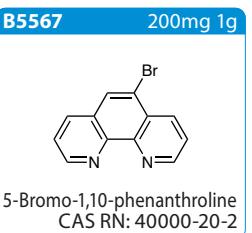
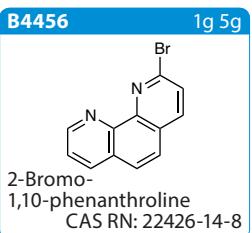
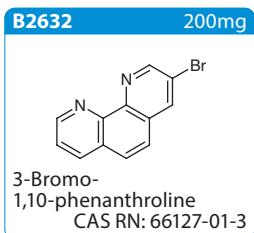
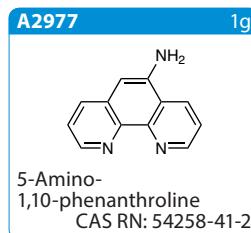
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D5329 1g 5g  2,7-Dimethoxy-9H-carbazole CAS RN: 61822-18-2	D5410 1g 5g  3,6-Dibromo-9-hexyl-9H-carbazole CAS RN: 150623-72-6	D5340 1g 5g  3,6-Dibromo-9-(4-methoxyphenyl)-9H-carbazole CAS RN: 746651-52-1	D5342 200mg 1g  3,6-Dibromo-9-[4-(2-ethylhexyloxy)phenyl]-9H-carbazole CAS RN: 946491-48-1	D5387 1g 5g  9,9'-Diethyl-9H,9H-3,3'-bicolorazole CAS RN: 20466-00-6
D5410 1g 5g  3,6-Dibromo-9-hexyl-9H-carbazole CAS RN: 150623-72-6	D5413 1g  9,9''-Diphenyl-9H,9'H,9''H-3,2':7',3''-tercarbazole CAS RN: 1402543-31-0	D5419 1g  3,6-Dibromo-9-(2,4-dimethylphenyl)-9H-carbazole CAS RN: 1873362-96-9	D5420 1g  3,6-Dibromo-9-(3,4-dimethylphenyl)-9H-carbazole CAS RN: 1786404-06-5	D5421 200mg 1g  3,6-Dibromo-9-(3,5-dimethylphenyl)-9H-carbazole CAS RN: 1873364-08-9
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E1055 1g 5g  9-(4-Ethynylphenyl)-9H-carbazole CAS RN: 262861-81-4	E1153 1g 5g  9-Ethylcarbazole-3-boronic Acid CAS RN: 669072-93-9	E1323 200mg 1g  9-(2-Ethylhexyl)-9H-carbazole-2,7-diboronic Acid Pinacol Ester CAS RN: 856422-41-8	E1324 200mg 1g  9-(2-Ethylhexyl)-9H-carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 476360-83-5	E1325 200mg 1g  9-(2-Ethylhexyl)-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 448955-87-1
F0965 1g  3-Fluorocarbazole CAS RN: 391-45-7	F1182 200mg 1g  2-Fluoro-9H-carbazole CAS RN: 391-53-7	H1014 1g 5g 25g  4-Hydroxycarbazole CAS RN: 52602-39-8	H1642 1g 5g  9-Hexyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 871696-12-7	H1647 200mg 1g  9-Hexyl-9H-carbazole-2-boronic Acid Pinacol Ester CAS RN: 133953-35-3

H1649  9-Hexyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 628336-95-8	I0913  3-Iodo-9-phenylcarbazole CAS RN: 502161-03-7	I0961  9-(4-Iodophenyl)carbazole CAS RN: 57103-15-8	I1061  Indolo[3,2,1-j]carbazole CAS RN: 205-95-8	M2561  3-Methyl-9H-carbazole CAS RN: 4630-20-0
M2817  2-Methoxycarbazole CAS RN: 6933-49-9	M3317  1-Methyl-9H-carbazole CAS RN: 6510-65-2	N1012  9-(1-Naphthyl)carbazole CAS RN: 22034-43-1	N1098  [9-(2-Naphthyl)-9H-carbazol-3-yl]boronic Acid CAS RN: 1133057-98-3	P2001  9-Phenylcarbazole-3-boronic Acid CAS RN: 854952-58-2
P2169  9-Phenylcarbazole-2-boronic Acid CAS RN: 1001911-63-2	P2351  3-Formyl-9-phenyl-9H-carbazole CAS RN: 87220-68-6	P2364  9-Phenylcarbazole-2-boronic Acid Pinacol Ester CAS RN: 1246669-45-3	P2375  2-Phenyl-9H-carbazole CAS RN: 88590-00-5	P2376  9-Phenylcarbazole-3-boronic Acid Pinacol Ester CAS RN: 1126522-69-7
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P2640  9-Phenyl-9H,9'H-2,3'-bicarbazole CAS RN: 1382955-10-3	P2772  9-Phenyl-3-[2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-9H-carbazole CAS RN: 1628817-49-1	T2932  1,3,6,8-Tetrabromocarbazole CAS RN: 55119-09-0	T3051  1,3,6,8-Tetra-tert-butylcarbazole CAS RN: 34601-54-2	T3344  9,3':6',9''-Tercarbazole CAS RN: 606129-90-2
T3386  3-(9H-Carbazol-9-yl)phenylboronic Acid Pinacol Ester CAS RN: 870119-58-7	T3441  (9H-Carbazol-2-yl)boronic Acid Pinacol Ester CAS RN: 1242412-60-7	T3452  4-(9H-Carbazol-9-yl)phenylboronic Acid Pinacol Ester CAS RN: 785051-54-9	T3612  9-(p-Tolyl)-9H-carbazole-3-boronic Acid Pinacol Ester CAS RN: 1345614-94-9	T3642  3,6-Bis[N,N-bis(4-methoxyphenyl)amino]-9H-carbazole CAS RN: 1630723-98-6
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B4747  8-Bromo-5H-pyrido[3,2-b]indole CAS RN: 1236349-67-9	B5640  8-Bromo-5-phenyl-5H-pyrido[3,2-b]indole CAS RN: 1449401-87-9	M2818  9-Methyl-β-carboline CAS RN: 2521-07-5	P1121  β-Carboline CAS RN: 244-63-3	P2274  δ-Carboline CAS RN: 245-08-9

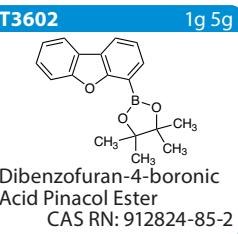
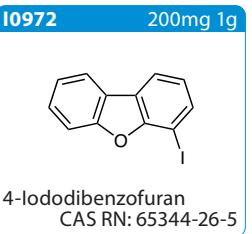
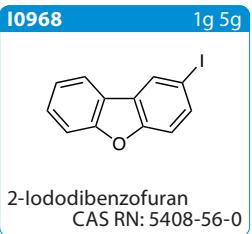
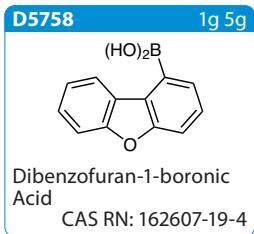
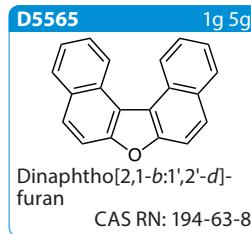
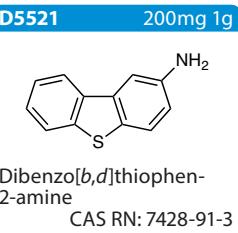
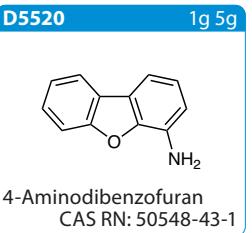
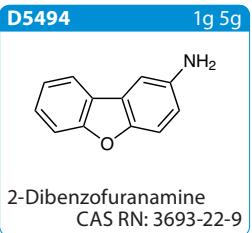
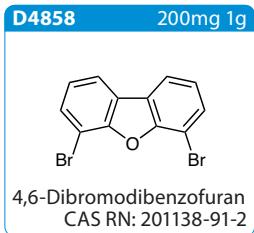
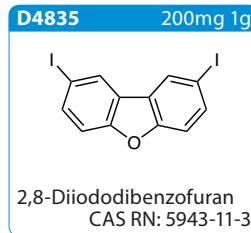
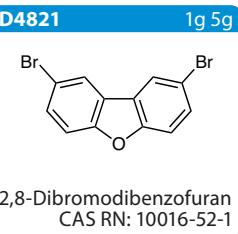
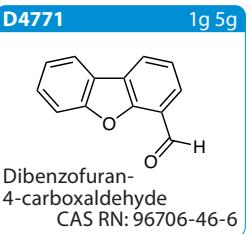
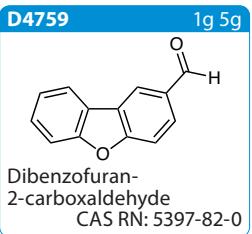
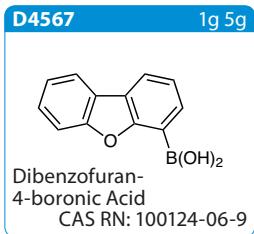
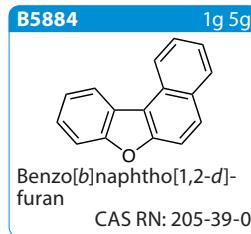
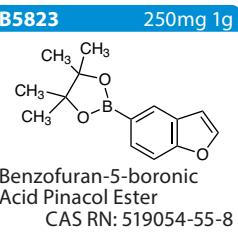
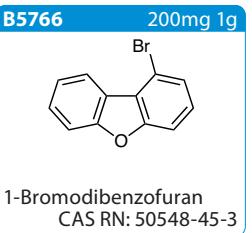
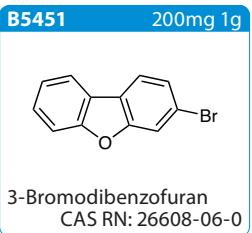
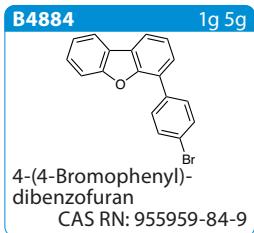
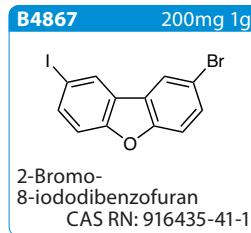
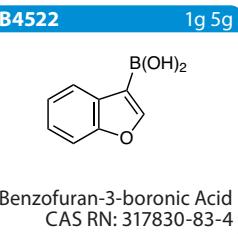
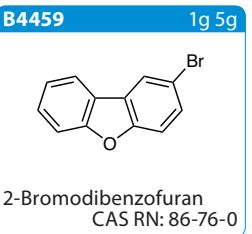
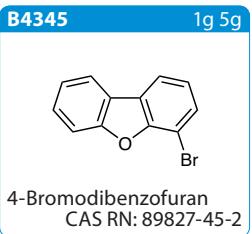
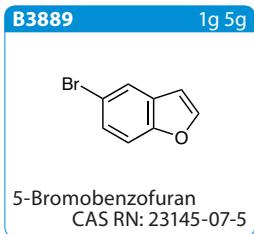
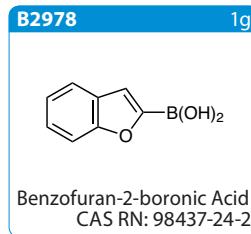
Building Blocks for Organic Semiconductor



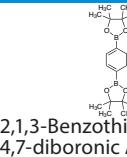
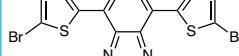
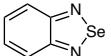
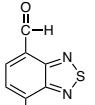
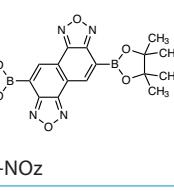
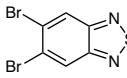
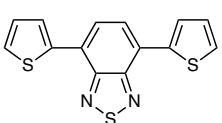
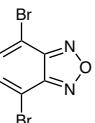
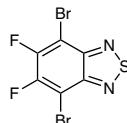
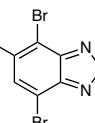
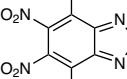
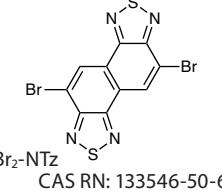
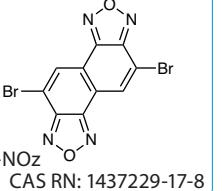
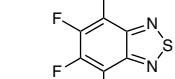
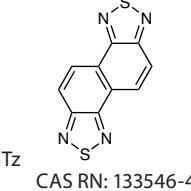
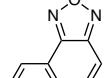
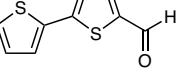
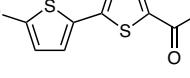
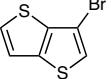
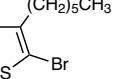
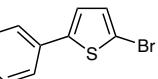
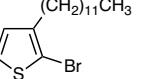
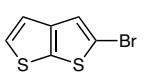
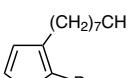
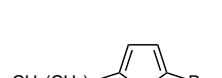
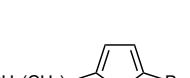
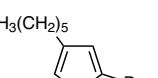
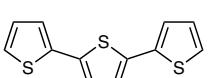
Phenanthrolines



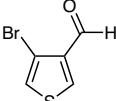
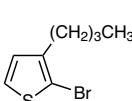
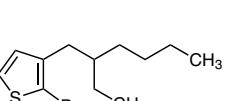
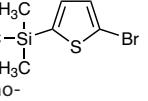
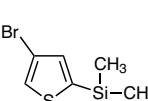
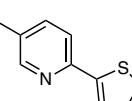
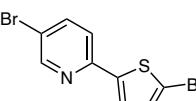
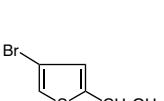
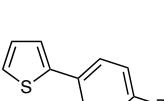
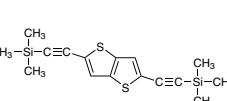
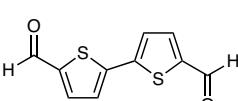
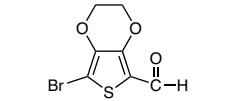
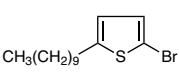
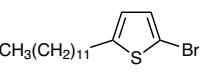
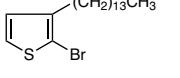
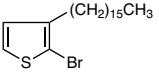
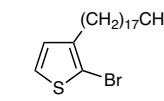
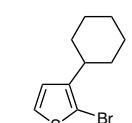
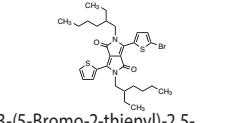
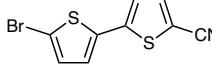
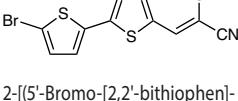
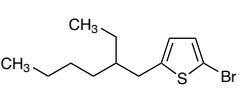
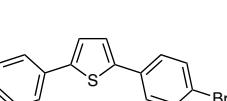
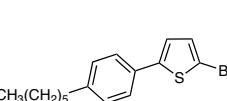
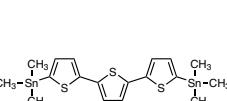
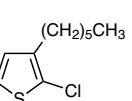
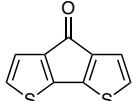
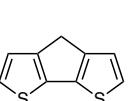
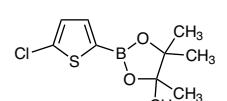
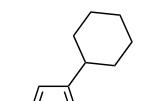
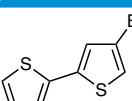
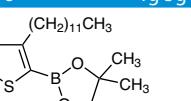
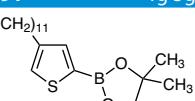
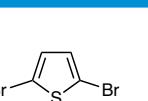
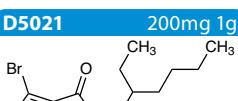
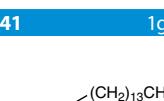
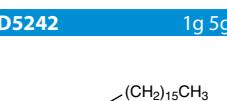
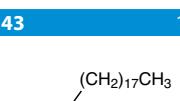
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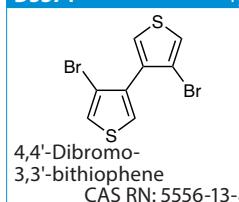
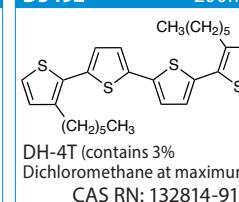
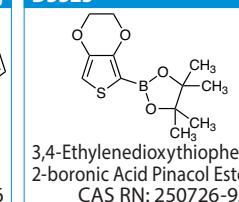
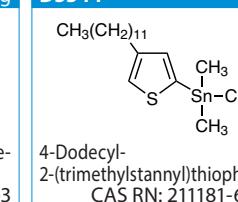
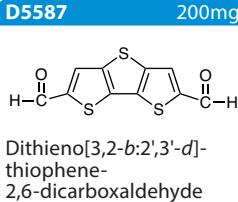
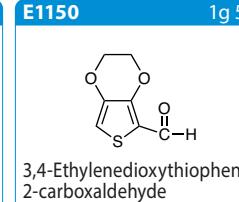
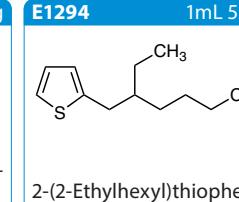
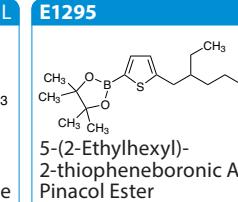
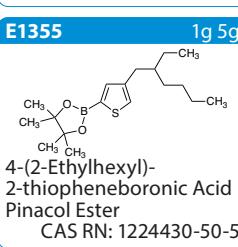
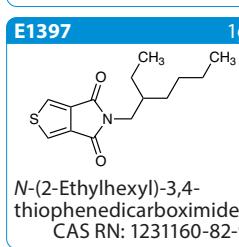
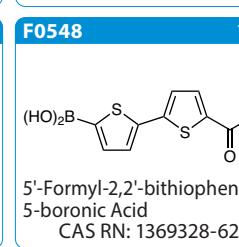
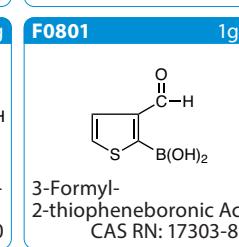
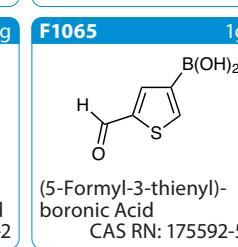
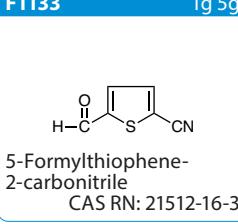
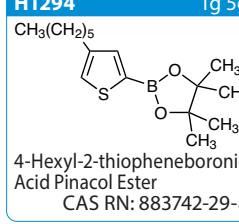
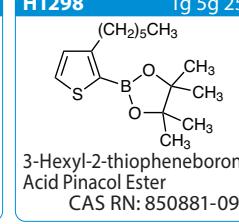
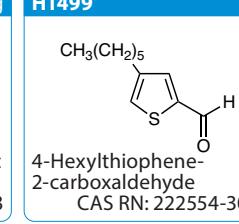
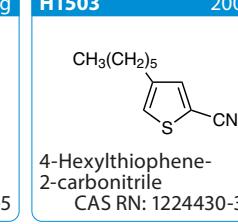
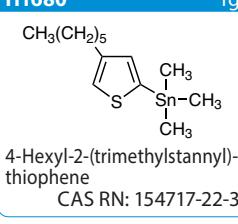
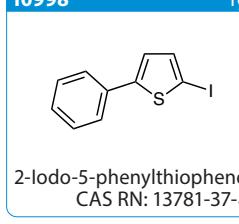
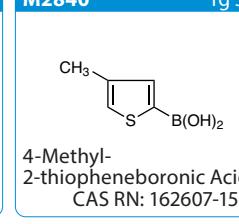
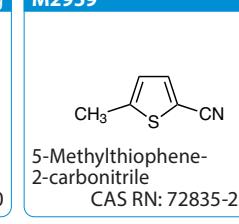
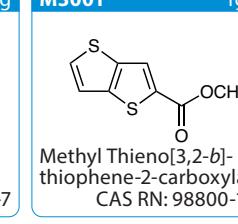
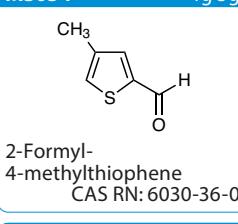
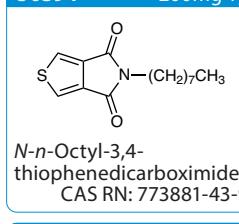
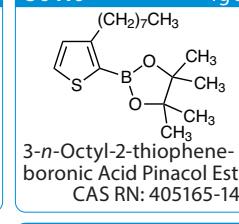
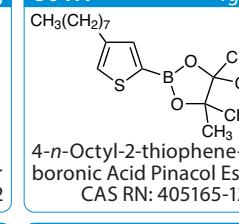
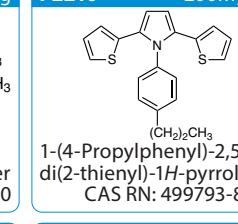
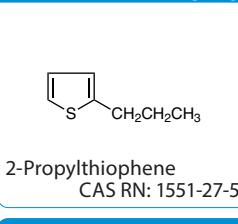
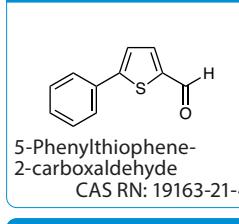
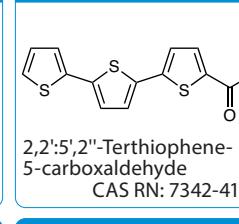
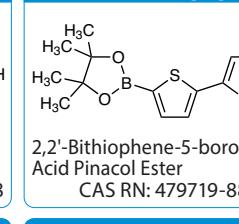
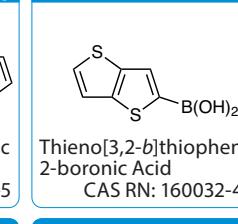
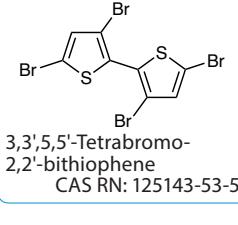
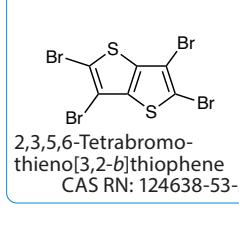
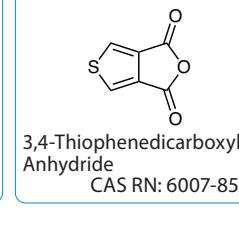
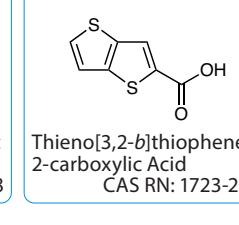
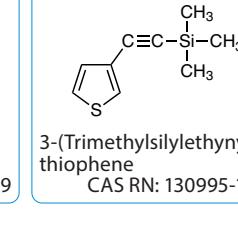


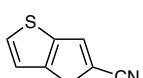
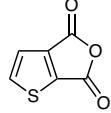
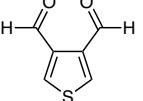
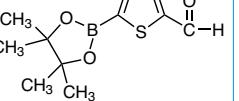
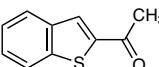
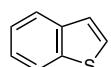
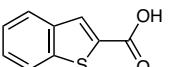
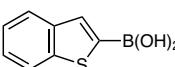
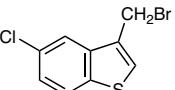
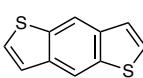
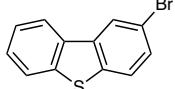
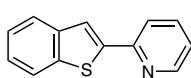
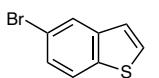
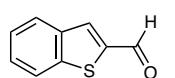
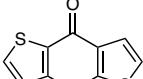
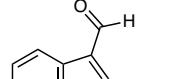
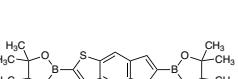
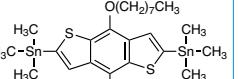
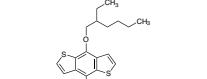
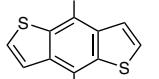
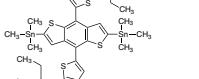
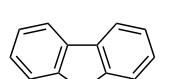
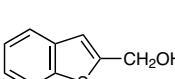
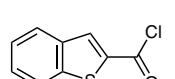
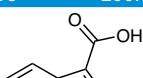
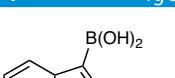
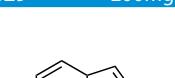
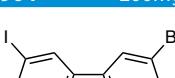
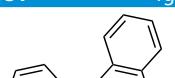
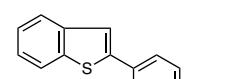
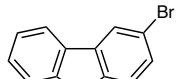
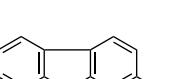
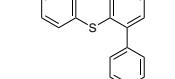
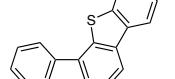
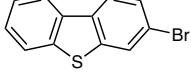
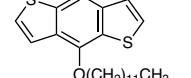
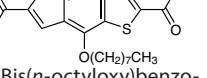
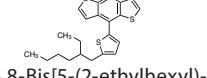
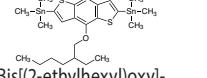
Benzo-thiadiazoles & Analogs

A1385 1g 5g  4-Amino- 2,1,3-benzothiadiazole CAS RN: 767-64-6	B0921 10g 25g  2,1,3-Benzothiadiazole CAS RN: 273-13-2	B3573 1g 5g  2,1,3-Benzothiadiazole- 4,7-diboronic Acid Bis(pinacol) Ester CAS RN: 934365-16-9	B3886 100mg 1g  4,7-Bis(5-bromo-2-thienyl)- 2,1,3-benzothiadiazole CAS RN: 288071-87-4	
B4313 200mg 1g  2,1,3-Benzoselenadiazole CAS RN: 273-15-4	B4473 1g 5g  2,1,3-Benzoxadiazole CAS RN: 273-09-6	B5433 200mg  7-Bromo-4-formyl- 2,1,3-benzothiadiazole CAS RN: 1071224-34-4	B5470 100mg  Bpin2-NTz CAS RN: 1467776-41-5	
B5474 200mg  2-[(7-Bromo- 2,1,3-benzothiadiazol-4-yl)- methylene]malononitrile CAS RN: 1335150-10-1	B5774 100mg  Bpin2-NOz	C1337 5g 25g  4-Chlorobenzofurazan CAS RN: 7116-16-7	D3842 1g 5g 25g  4,7-Dibromo- 2,1,3-benzothiadiazole CAS RN: 15155-41-6	D3944 1g  4,7-Dibromo- 2,1,3-benzoselenadiazole CAS RN: 63224-42-0
D4064 5g  5,6-Dibromo- 2,1,3-benzothiadiazole CAS RN: 18392-81-9	D4487 200mg 1g  4,7-Di(2-thienyl)- 2,1,3-benzothiadiazole CAS RN: 165190-76-1	D4614 200mg 1g  4,7-Dibromo- 2,1,3-benzoxadiazole CAS RN: 54286-63-4	D4734 200mg  4,7-Dibromo-5,6-difluoro- 2,1,3-benzothiadiazole CAS RN: 1295502-53-2	D4750 200mg 1g  4,7-Dibromo-5-fluoro- 2,1,3-benzothiadiazole CAS RN: 1347736-74-6
D4985 1g 5g  4,7-Dibromo-5,6-dinitro- 2,1,3-benzothiadiazole CAS RN: 76186-72-6	D5288 100mg  Br ₂ -NTz CAS RN: 133546-50-6	D5496 100mg  Br ₂ -NOz CAS RN: 1437229-17-8	D5547 200mg  5,6-Difluoro-4,7-diiodo- 2,1,3-benzothiadiazole CAS RN: 1293389-29-3	N1105 200mg  NTz CAS RN: 133546-47-1
N1137 200mg  NOz CAS RN: 1394221-73-8	<h2>Thiophenes</h2>		B1838 1g 5g 25g  2,2'-Bithiophene- 5-carboxaldehyde CAS RN: 3779-27-9	B1874 1g 5g  5-Bromo-2,2'-bithiophene- 5-carboxaldehyde CAS RN: 110046-60-1
B3226 200mg 1g 5g  3-Bromothieno-[3,2-b]thiophene CAS RN: 25121-83-9	B3507 5g 25g  2-Bromo-3-hexylthiophene CAS RN: 69249-61-2	B3663 1g 5g  2-Bromo- 5-phenylthiophene CAS RN: 29488-24-2	B3691 1g 5g  2-Bromo- 3-dodecylthiophene CAS RN: 139100-06-4	B3692 1g  2-Bromothieno-[2,3-b]thiophene CAS RN: 25121-81-7
B3733 5g  2-Bromo- 3-n-octylthiophene CAS RN: 145543-83-5	B3738 5g 25g  2-Bromo- 5-n-octylthiophene CAS RN: 172514-63-5	B3812 5g  2-Bromo-5-hexylthiophene CAS RN: 211737-28-9	B3985 1g  2-Bromo-4-hexylthiophene CAS RN: 210705-84-3	B4050 1g 5g  2-Bromo- thieno[2,3-b]thiophene CAS RN: 105125-00-6

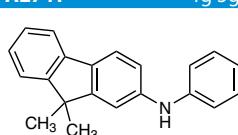
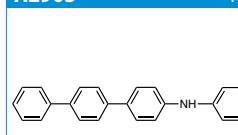
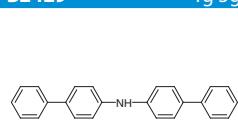
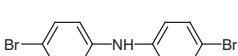
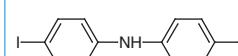
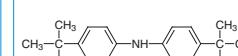
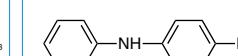
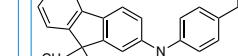
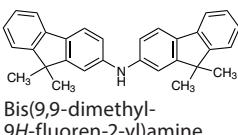
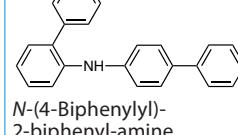
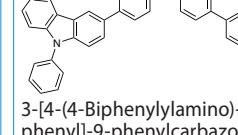
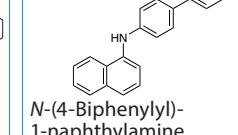
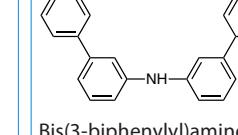
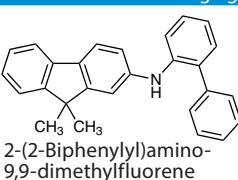
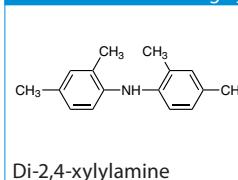
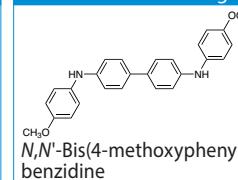
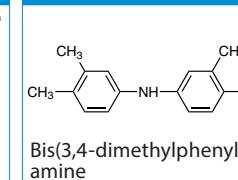
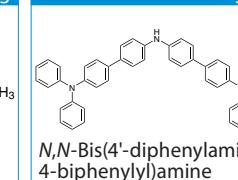
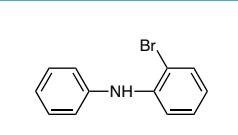
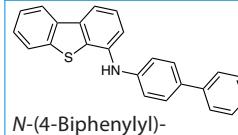
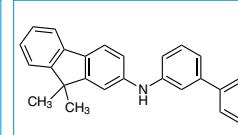
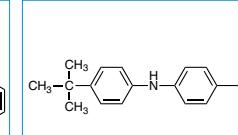
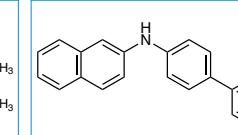
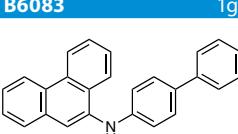
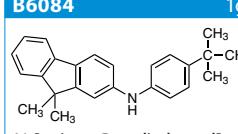
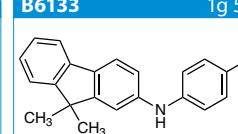
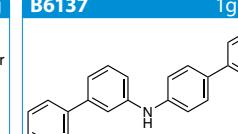
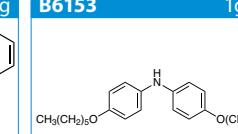
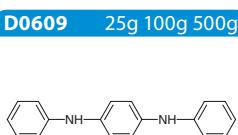
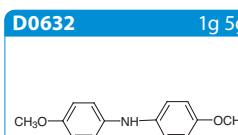
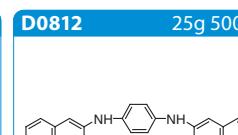
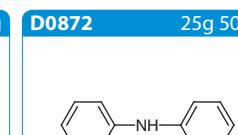
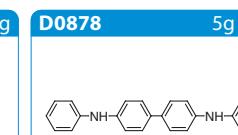
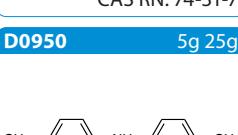
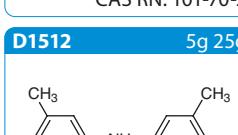
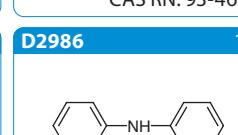
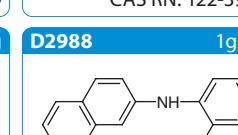
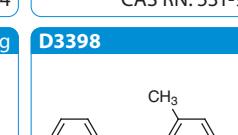
Building Blocks for Organic Semiconductor

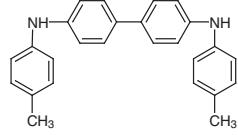
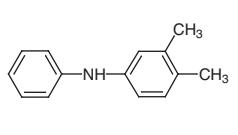
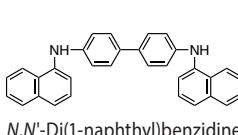
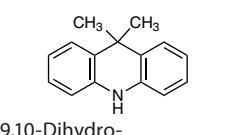
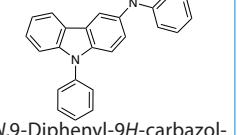
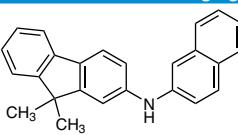
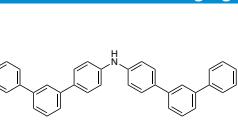
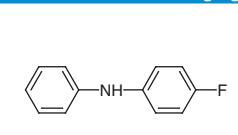
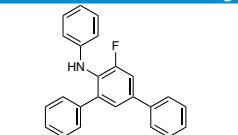
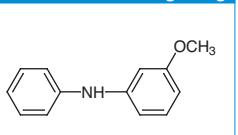
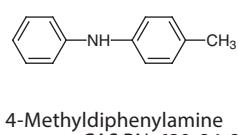
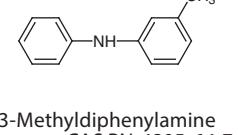
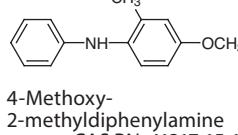
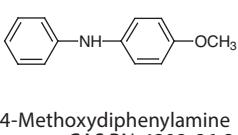
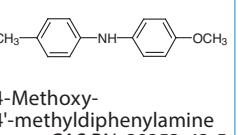
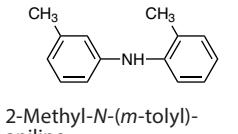
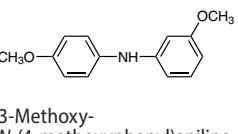
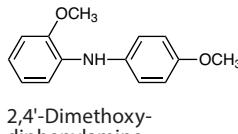
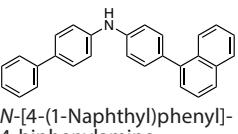
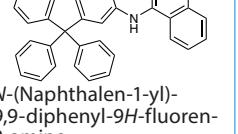
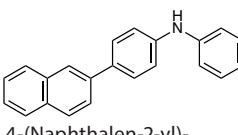
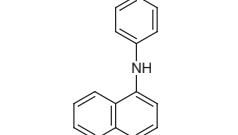
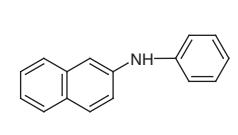
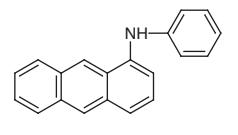
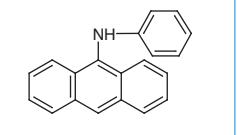
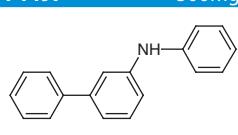
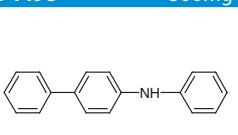
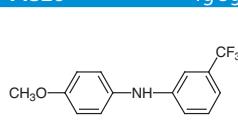
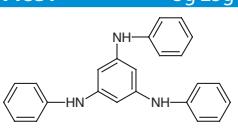
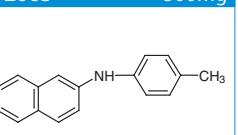
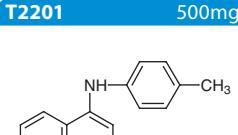
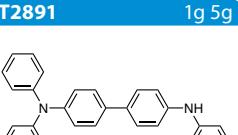
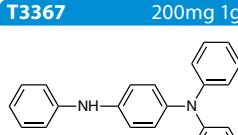
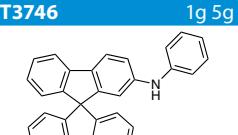
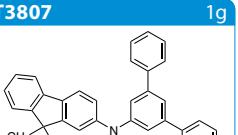
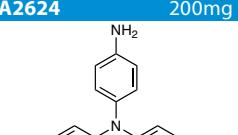
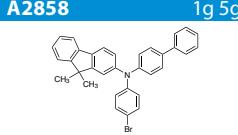
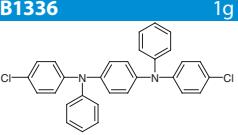
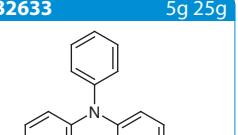
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B4885 200mg 1g  5-Bromo-2-(2-thienyl)pyridine CAS RN: 91891-74-6	B4886 200mg 1g  5-Bromo-2-(5-bromo-2-thienyl)pyridine CAS RN: 136902-53-9	B5060 1g 5g  4-Bromo-2-thiophenemethanol CAS RN: 79757-77-0	B5106 1g 5g  2-(4-Bromophenyl)-thiophene CAS RN: 40133-22-0	B5196 200mg 1g  2,5-Bis(trimethylsilyl)-ethynylthieno[3,2-b]thiophene CAS RN: 139896-65-4
B5358 1g 5g  5,5'-Diformyl-2,2'-bithiophene CAS RN: 32364-72-0	B5396 200mg 1g  7-Bromo-2,3-dihydrothieno[3,4-b][1,4]dioxine-5-carboxaldehyde CAS RN: 852054-42-3	B5406 1g 5g  2-Bromo-5-decythiophene CAS RN: 514188-72-8	B5407 1g 5g  2-Bromo-5-dodecylthiophene CAS RN: 153561-74-1	B5408 1g 5g  2-Bromo-3-tetradecylthiophene CAS RN: 500199-09-7
B5409 1g  2-Bromo-3-hexadecylthiophene CAS RN: 827343-08-8	B5410 1g  2-Bromo-3-octadecylthiophene CAS RN: 827343-18-0	B5420 1g 5g  2-Bromo-3-cyclohexylthiophene CAS RN: 241477-71-4	B5456 200mg  3-(5-Bromo-2-thienyl)-2,5-bis(2-ethylhexyl)-6-(2-thienyl)pyrrolo[3,4-c]pyrrole-1,4-dione CAS RN: 1308671-90-0	B5457 200mg 1g  5-Bromo-[2,2'-bithiophene]-5-carbonitrile CAS RN: 176787-96-5
B5458 200mg 1g  2-[(5'-Bromo-[2,2'-bithiophene]-5-yl)methylene]malononitrile CAS RN: 704890-84-6	B5475 1g 5g  2-Bromo-5-(2-ethylhexyl)thiophene CAS RN: 925899-21-4	B5491 200mg 1g  2-(4-Bromophenyl)-5-phenylthiophene CAS RN: 118621-30-0	B5553 1g  2-Bromo-5-(4-hexylphenyl)thiophene CAS RN: 934368-79-3	B5690 200mg 1g  5,5''-Bis(trimethylstannyl)-2,2':5',2''-terthiophene CAS RN: 178931-63-0
C2613 5g  2-Chloro-3-hexylthiophene CAS RN: 817181-75-2	C2715 200mg  4H-Cyclopenta[1,2-b:5,4-b']dithiophen-4-one CAS RN: 25796-77-4	C3021 200mg 1g  4H-Cyclopenta[2,1-b:3,4-b']dithiophene CAS RN: 389-58-2	C3301 1g 5g  5-Chloro-2-thiopheneboronic Acid Pinacol Ester CAS RN: 635305-24-7	C3400 1g 5g  3-Cyclohexylthiophene CAS RN: 120659-34-9
D4181 1g 5g  4,4'-Dibromo-2,2'-bithiophene CAS RN: 51285-60-0	D4290 1g 5g  3-Dodecyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 960524-18-9	D4291 1g 5g  4-Dodecyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1173788-58-3	D4376 1g  2,5-Dibromothiophene 1,1-Dioxide CAS RN: 89088-95-9	D4874 1mL 5mL  2-Dodecylthiophene CAS RN: 4861-61-4
D5021 200mg 1g  2,5-Dibromo-N-(2-ethylhexyl)-3,4-thiophenedicarboximide CAS RN: 1231160-83-0	D5240 1mL 5mL  2-Decylthiophene CAS RN: 24769-39-9	D5241 1g 5g  2,5-Dibromo-3-tetradecylthiophene CAS RN: 160096-74-2	D5242 1g 5g  2,5-Dibromo-3-hexadecylthiophene CAS RN: 178452-13-6	D5243 1g  2,5-Dibromo-3-octadecylthiophene CAS RN: 205235-01-4

D5247  2,5-Dibromo-3-cyclohexylthiophene CAS RN: 302912-44-3 1g	D5374  4,4'-Dibromo-3,3'-bithiophene CAS RN: 5556-13-8 1g	D5492  DH-4T (contains 3% Dichloromethane at maximum) CAS RN: 132814-91-6 200mg	D5525  3,4-Ethylenedioxothiophene-2-boronic Acid Pinacol Ester CAS RN: 250726-93-3 1g	D5544  4-Dodecyl-2-(trimethylstannyl)thiophene CAS RN: 211181-63-4 1g
D5587  Dithieno[3,2-b;2',3'-d]-thiophene-2,6-dicarboxaldehyde CAS RN: 67061-73-8 200mg	D5729  2,5-Dibromo-3-fluorothiophene CAS RN: 32431-85-9 1g 5g	E1150  3,4-Ethylenedioxothiophene-2-carboxaldehyde CAS RN: 204905-77-1 1g 5g	E1294  2-(2-Ethylhexyl)thiophene CAS RN: 4891-44-5 1mL 5mL	E1295  5-(2-Ethylhexyl)-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1390584-88-9 1g
E1355  4-(2-Ethylhexyl)-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1224430-50-5 1g 5g	E1397  N-(2-Ethylhexyl)-3,4-thiophenedicarboximide CAS RN: 1231160-82-9 1g	F0548  5'-Formyl-2,2'-bithiophene-5-boronic Acid CAS RN: 1369328-62-0 1g	F0801  3-Formyl-2-thiopheneboronic Acid CAS RN: 17303-83-2 1g 5g	F1065  (5-Formyl-3-thienyl)-boronic Acid CAS RN: 175592-59-3 1g 5g
F1133  5-Formylthiophene-2-carbonitrile CAS RN: 21512-16-3 1g 5g	H1294  4-Hexyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 883742-29-8 1g 5g	H1298  3-Hexyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 850881-09-3 1g 5g 25g	H1499  4-Hexylthiophene-2-carboxaldehyde CAS RN: 222554-30-5 1g	H1503  4-Hexylthiophene-2-carbonitrile CAS RN: 1224430-39-0 200mg
H1680  4-Hexyl-2-(trimethylstannyl)-thiophene CAS RN: 154717-22-3 1g	I0998  2-Iodo-5-phenylthiophene CAS RN: 13781-37-8 1g	M2840  4-Methyl-2-thiopheneboronic Acid CAS RN: 162607-15-0 1g 5g	M2959  5-Methylthiophene-2-carbonitrile CAS RN: 72835-25-7 1g	M3001  Methyl Thieno[3,2-b]-thiophene-2-carboxylate CAS RN: 98800-10-3 1g 5g
M3054  2-Formyl-4-methylthiophene CAS RN: 6030-36-0 1g 5g	O0394  N-n-Octyl-3,4-thiophenedicarboximide CAS RN: 773881-43-9 200mg 1g	O0410  3-n-Octyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 405165-14-2 1g 5g	O0411  4-n-Octyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 405165-12-0 1g 5g	P2210  1-(4-Propylphenyl)-2,5-di(2-thienyl)-1H-pyrrole CAS RN: 499793-84-9 200mg 1g
P2451  2-Propylthiophene CAS RN: 1551-27-5 5g 25g	P2501  5-Phenylthiophene-2-carboxaldehyde CAS RN: 19163-21-4 1g	T1805  2,2':5',2"-Terthiophene-5-carboxaldehyde CAS RN: 7342-41-8 1g	T2518  2,2'-Bithiophene-5-boronic Acid Pinacol Ester CAS RN: 479719-88-5 1g 5g 25g	T2621  Thieno[3,2-b]thiophene-2-boronic Acid CAS RN: 160032-40-6 1g
T2699  3,3',5,5'-Tetrabromobis(2,2'-bithiophene) CAS RN: 125143-53-5 1g 5g 25g	T2772  2,3,5,6-Tetrabromo-thieno[3,2-b]thiophene CAS RN: 124638-53-5 1g	T2897  3,4-Thiophenedicarboxylic Anhydride CAS RN: 6007-85-8 1g	T3156  Thieno[3,2-b]thiophene-2-carboxylic Acid CAS RN: 1723-27-9 200mg 1g	T3190  3-(Trimethylsilyl)ethynylthiophene CAS RN: 130995-13-0 1g 5g

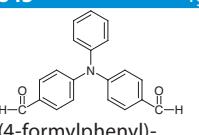
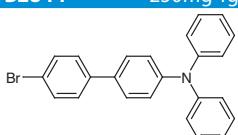
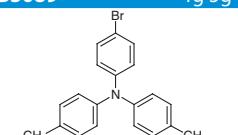
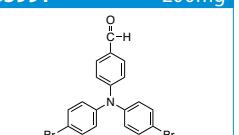
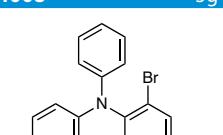
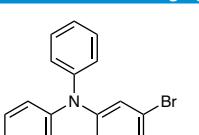
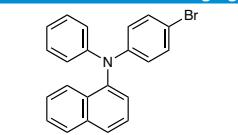
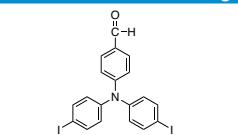
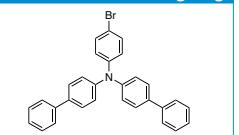
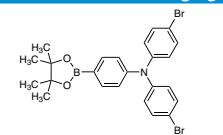
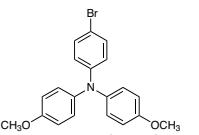
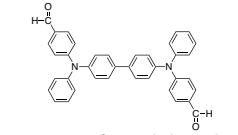
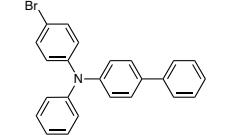
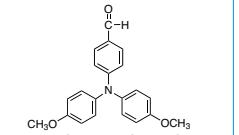
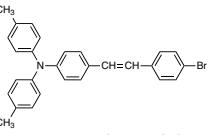
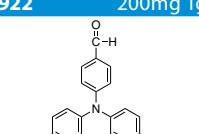
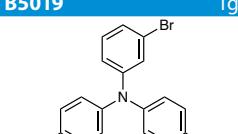
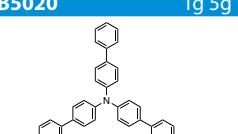
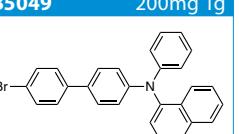
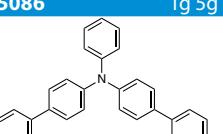
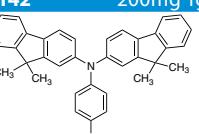
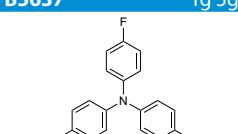
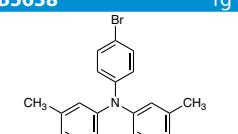
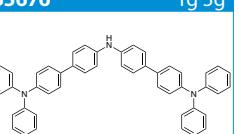
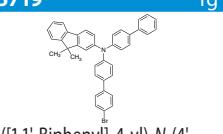
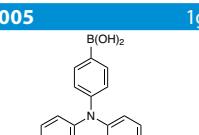
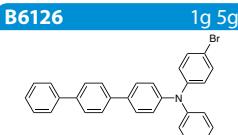
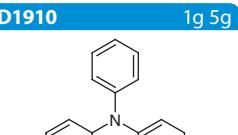
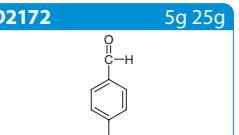
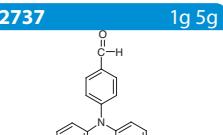
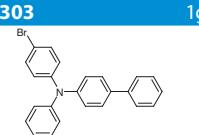
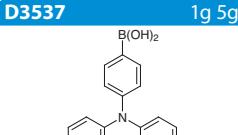
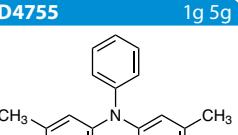
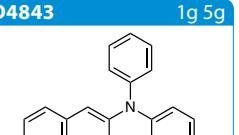
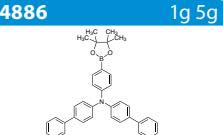
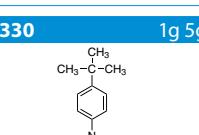
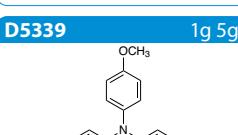
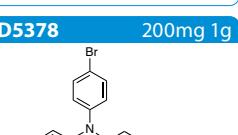
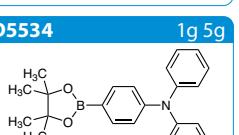
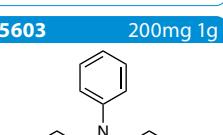
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 Thieno[3,2-b]thiophene-2-carbonitrile CAS RN: 40985-58-8	 2,3-Thiophenedicarboxylic Anhydride CAS RN: 6007-83-6	 3,4-Diformylthiophene CAS RN: 1073-31-0	 5-Formyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1040281-83-1	
A1497 5g 25g	B0093 5g 25g	B2033 1g	B2893 1g 5g 25g	B3147 1g 5g
 2-Acetylbenzo[b]thiophene CAS RN: 22720-75-8	 Benzo[b]thiophene CAS RN: 95-15-8	 Benzo[b]thiophene-2-carboxylic Acid CAS RN: 6314-28-9	 Benzo[b]thiophene-2-boronic Acid CAS RN: 98437-23-1	 3-(Bromomethyl)-5-chlorobenzo[b]thiophene CAS RN: 1198-51-2
B3464 1g 5g	B3525 5g 25g	B3561 1g	B3762 1g 5g	B3777 5g
 Benzo[1,2-b:4,5-b']dithiophene CAS RN: 267-65-2	 2-Bromodibenzothiophene CAS RN: 22439-61-8	 2-(2-Pyridyl)-benzo[b]thiophene CAS RN: 38210-35-4	 5-Bromobenzo[b]thiophene CAS RN: 4923-87-9	 Benzo[b]thiophene-2-carboxaldehyde CAS RN: 3541-37-5
B3793 1g 5g	B4086 1g 5g	B4158 1g 5g	B4378 200mg	B4395 200mg 1g 5g
 Benzo[1,2-b:4,5-b']dithiophene-4,8-dione CAS RN: 32281-36-0	 Benzo[b]thiophene-3-carboxaldehyde CAS RN: 5381-20-4	 Benzo[1,2-b:4,5-b']dithiophene-2,6-diboronic Acid Bis(pinacol) Ester CAS RN: 861398-06-3	 4,8-Bis(n-octyloxy)-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1098102-95-4	 4,8-Bis(2-ethylhexyloxy)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-77-7
B4396 200mg 1g	B4437 200mg	B4449 1g 5g	B4628 1g 5g	B4637 1g 5g
 4,8-Bis-n-octyloxybenzo[1,2-b:4,5-b']dithiophene CAS RN: 1098102-94-3	 4,8-Bis[5-(2-ethylhexyl)thiophen-2-yl]-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-37-5	 4-Bromodibenzothiophene CAS RN: 97511-05-2	 Benzo[b]thiophene-2-methanol CAS RN: 17890-56-1	 Benzo[b]thiophene-2-carbonyl Chloride CAS RN: 39827-11-7
B4650 200mg 1g	B4774 1g 5g	B4829 200mg 1g	B4904 200mg 1g	B4951 1g 5g
 Benzo[b]thiophene-3-carboxylic Acid CAS RN: 5381-25-9	 Benzo[b]thiophene-3-boronic Acid CAS RN: 113893-08-6	 7-Bromobenzo[b]thiophene CAS RN: 1423-61-6	 2-Bromo-8-iododibenzothiophene CAS RN: 1206544-88-8	 Benzo[b]naphtho[1,2-d]thiophene CAS RN: 205-43-6
B5016 200mg 1g	B5267 200mg 1g	B5268 200mg 1g	B5384 200mg 1g	B5434 200mg 1g
 2-(4-Bromophenyl)-benzo[b]thiophene CAS RN: 19437-86-6	 2-Bromodibenzosulfolane CAS RN: 53846-85-8	 3-Bromodibenzosulfolane CAS RN: 116668-69-0	 4-(4-Bromophenyl)-dibenzothiophene CAS RN: 530402-77-8	 5H-Benzo[4,5-thieno[3,2-c]carbazole CAS RN: 1255308-97-4
B5452 1g 5g	B5454 200mg 1g	B5484 200mg	B5485 200mg	B5490 500mg 5g
 3-Bromodibenzothiophene CAS RN: 97511-04-1	 4,8-Bis(dodecyloxy)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1044795-04-1	 4,8-Bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene-2,6-dicarbaldehyde CAS RN: 1668554-22-0	 4,8-Bis[5-(2-ethylhexyl)-thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-35-3	 4,8-Bis[(2-ethylhexyl)oxy]-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-78-8

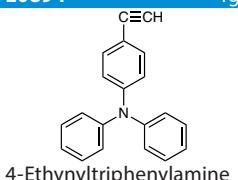
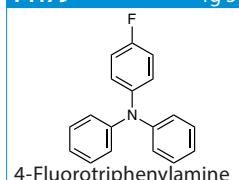
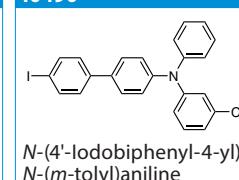
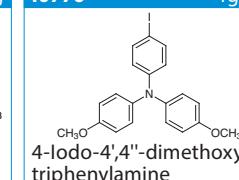
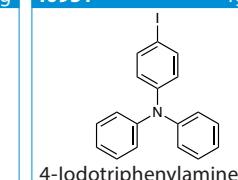
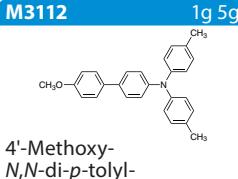
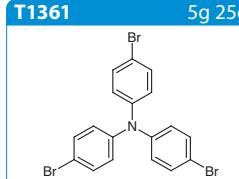
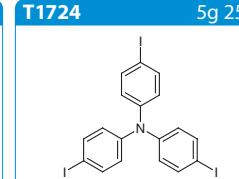
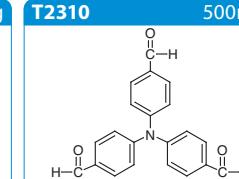
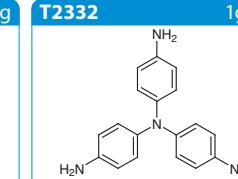
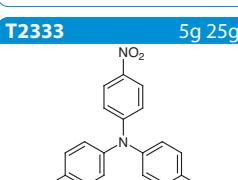
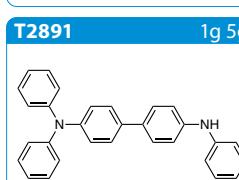
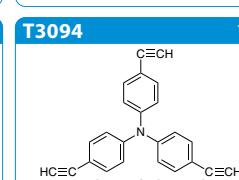
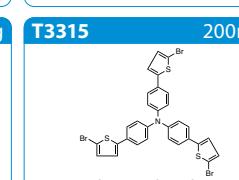
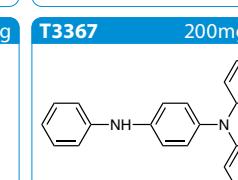
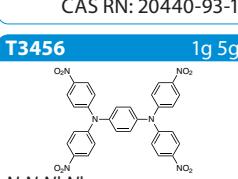
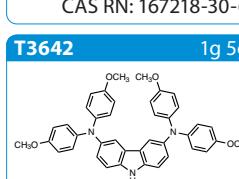
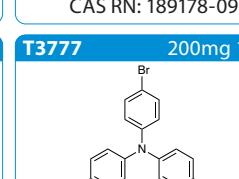
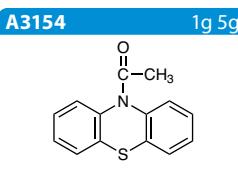
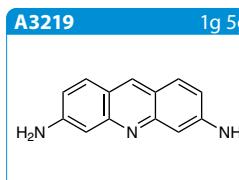
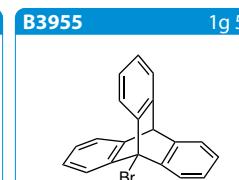
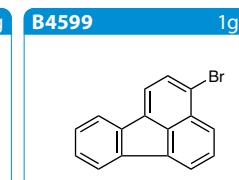
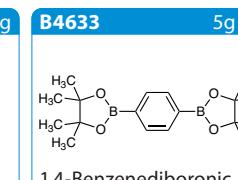
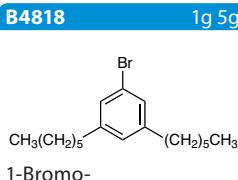
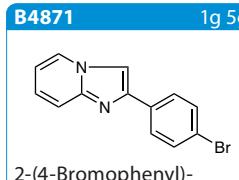
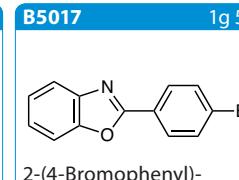
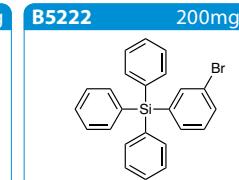
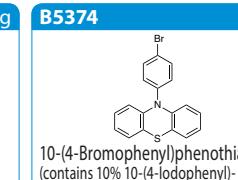
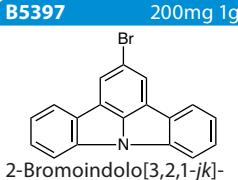
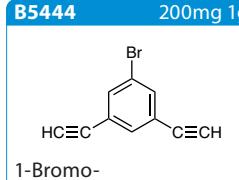
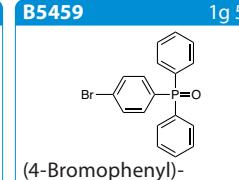
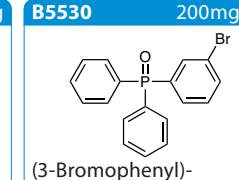
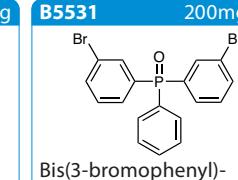
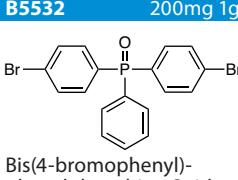
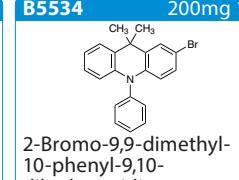
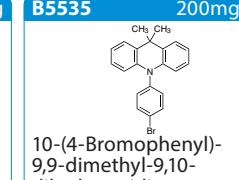
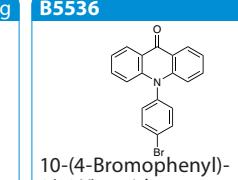
B5523 6-Bromobenzo[<i>b</i>]thiophene CAS RN: 17347-32-9	B5551 Benzo[<i>b</i>]benzo[4,5]-thieno[2,3- <i>d</i>]thiophene CAS RN: 248-70-4	B5589 3-Bromobenzo[<i>b</i>]thiophene CAS RN: 7342-82-7	B5752 <i>N</i> -(4-Biphenyl)-dibenzo[<i>b,d</i>]thiophen-4-amine CAS RN: 1448185-87-2	B5821 Benzo[<i>b</i>]thiophene-3-boronic Acid Pinacol Ester CAS RN: 171364-86-6
B5768 [4,8-Bis[5-(2-ethylhexyl)thieno[3,2- <i>b</i>]thiophen-2-yl]benzo[1,2- <i>b</i> :4,5- <i>b</i> ']dithiophene-2,6-diy]bis(trimethylstannane) CAS RN: 1444200-40-1	B5861 1-Bromodibenzothiophene CAS RN: 65642-94-6	B5940 5-Bromobenzo[<i>b</i>]-naphtho[1,2- <i>d</i>]thiophene CAS RN: 189097-35-6	B6247 2-Bromo-[1]benzothiopheno[3,2- <i>b</i>]-[1]benzothiophene CAS RN: 1398397-58-4	
C2286 3-Chlorobenzo[<i>b</i>]thiophene-2-carbonyl Chloride CAS RN: 21815-91-8	C2444 3-Chlorobenzo[<i>b</i>]thiophene-2-carboxylic Acid CAS RN: 21211-22-3	C2457 5-Chloro-3-methylbenzo[<i>b</i>]thiophene CAS RN: 19404-18-3	D0148 Dibenzothiophene CAS RN: 132-65-0	D2223 2,8-Dimethyl-dibenzothiophene CAS RN: 1207-15-4
D2245 2,8-Dibromo-dibenzothiophene CAS RN: 31574-87-5	D3954 2,6-Dibromobenzo[1,2- <i>b</i> :4,5- <i>b</i> ']dithiophene CAS RN: 909280-97-3	D4057 Dibenzothiophene-4-boronic Acid CAS RN: 108847-20-7	D4153 Dibenzosulfolane CAS RN: 1016-05-3	D5027 2,8-Dibromo-dibenzosulfolane CAS RN: 40307-15-1
D5052 3,7-Dibromo-dibenzosulfolane CAS RN: 83834-12-2	D5521 Dibenzo[<i>b,d</i>]thiophen-2-amine CAS RN: 7428-91-3	D5604 2,3-Dibromobenzo[<i>b</i>]thiophene CAS RN: 6287-82-7	D5923 2,6-Dibromobenzo[1,2- <i>b</i> :5,4- <i>b</i> ']dithiophene CAS RN: 1242077-24-2	H1628 2-(4-Hydroxyphenyl)-benzo[<i>b</i>]thiophene-6-ol CAS RN: 63676-22-2
I0947 4-Iododibenzothiophene CAS RN: 132034-89-0	I0973 2-Iododibenzothiophene CAS RN: 177586-41-3	M1429 2-Methylthianaphthene CAS RN: 1195-14-8	M1952 3-Methylbenzo[<i>b</i>]thiophene CAS RN: 1455-18-1	M2345 6-Methoxy-2-(4-methoxyphenyl)-benzo[<i>b</i>]thiophene CAS RN: 63675-74-1
M2974 5-Methylbenzo[<i>b</i>]thiophene CAS RN: 14315-14-1	P2510 4-Phenyldibenzothiophene CAS RN: 98251-31-1	T3236 4-Dibenzothiopheneboronic Acid Pinacol Ester CAS RN: 912824-84-1	Siholes	B4233 2,5-Bis(2,2'-bipyridin-6-yl)-1,1-dimethyl-3,4-diphenylsilole CAS RN: 350042-00-1
D4308 9,9-Dimethyl-9 <i>H</i> -9-silafluorene CAS RN: 13688-68-1	D4310 2,5-Dibromo-1,1,3,4-tetraphenylsilole CAS RN: 200068-36-6	D4631 2,5-Dibromo-1,1-dimethyl-3,4-diphenylsilole CAS RN: 686290-22-2	D4799 2,6-Dibromo-4,4-di- <i>n</i> -octyldithieno[3,2- <i>b</i> :2',3'- <i>d</i>]silole CAS RN: 1160106-14-8	D5034 9,9-Diphenyl-9 <i>H</i> -9-silafluorene CAS RN: 5550-08-3

S0983  200mg 1g 9,9'-Spirobi[9H-9-silafluorene] CAS RN: 159-68-2	Secondary Arylamines	A2741  1g 5g 2-Anilino-9,9-dimethylfluorene CAS RN: 355832-04-1	A2903  1g 4-Anilino-p-terphenyl CAS RN: 897671-81-7	B2429  1g 5g 4,4'-Iminobis(biphenyl) CAS RN: 102113-98-4
B2684  1g 5g Bis(4-bromophenyl)amine CAS RN: 16292-17-4	B2685  1g 5g Bis(4-iodophenyl)amine CAS RN: 20255-70-3	B2803  25g 100g 500g Bis(4-tert-butylphenyl)amine CAS RN: 4627-22-9	B3949  5g 25g 4-Bromodiphenylamine CAS RN: 54446-36-5	B4424  1g 5g 2-(4-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 897671-69-1
B4664  1g 5g Bis(9,9-dimethyl-9H-fluoren-2-yl)amine CAS RN: 500717-23-7	B4866  1g 5g N-(4-Biphenyl)-2-biphenyl-amine CAS RN: 1372775-52-4	B4887  1g 5g 3-[4-(4-Biphenylamino)phenyl]-9-phenylcarbazole CAS RN: 1160294-96-1	B5047  200mg 1g N-(4-Biphenyl)-1-naphthylamine CAS RN: 446242-37-1	B5048  200mg 1g Bis(3-biphenyl)amine CAS RN: 169224-65-1
B5122  1g 5g 2-(2-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 1198395-24-2	B5148  200mg 1g Di-2,4-xylylamine CAS RN: 19616-28-5	B5633  1g 5g N,N'-Bis(4-methoxyphenyl)benzidine CAS RN: 59131-00-9	B5662  1g Bis(3,4-dimethylphenyl)amine CAS RN: 55389-75-8	B5676  1g 5g N,N'-Bis(4-diphenylamino-4-biphenyl)amine CAS RN: 167218-39-5
B5744  1g 5g 2-Bromodiphenylamine CAS RN: 61613-22-7	B5752  200mg 1g N-(4-Biphenyl)-dibenzo[b,d]thiophen-4-amine CAS RN: 1448185-87-2	B5793  1g 5g 2-(3-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 1372778-66-9	B5807  1g 4-(tert-Butyl)-N-(4-isopropylphenyl)aniline CAS RN: 782504-35-2	B6030  1g 5g N-(4-Biphenyl)-2-naphthylamine CAS RN: 6336-92-1
B6083  1g N-(9-Phenanthryl)-4-biphenylamine CAS RN: 443965-64-8	B6084  1g N-[4-(tert-Butyl)phenyl]-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 944418-46-6	B6133  1g 5g N-(4-Bromophenyl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1644059-09-5	B6137  1g 5g N-(Biphenyl-4-yl)biphenyl-3-amine CAS RN: 570391-47-8	B6153  1g 5g Bis[4-(hexyloxy)phenyl]amine CAS RN: 1158909-71-7
D0609  25g 100g 500g N,N'-Diphenyl-1,4-phenylenediamine CAS RN: 74-31-7	D0632  1g 5g Di-p-anisylamine CAS RN: 101-70-2	D0812  25g 500g N,N'-Di-2-naphthyl-1,4-phenylenediamine CAS RN: 93-46-9	D0872  25g 500g Diphenylamine CAS RN: 122-39-4	D0878  5g 25g N,N'-Diphenylbenzidine CAS RN: 531-91-9
D0950  5g 25g p,p'-Ditolyamine CAS RN: 620-93-9	D1512  5g 25g m,m'-Ditolyamine CAS RN: 626-13-1	D2986  1g 1,1'-Dinaphthylamine CAS RN: 737-89-3	D2988  1g 5g 1,2'-Dinaphthylamine (purified by sublimation) CAS RN: 4669-06-1	D3398  25g N-Phenyl-2,4-xylidine CAS RN: 25078-04-0

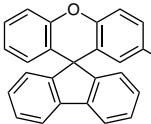
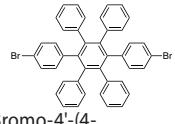
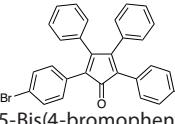
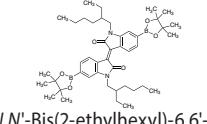
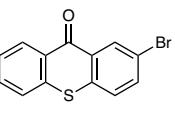
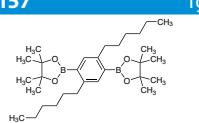
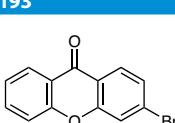
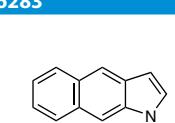
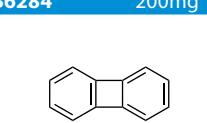
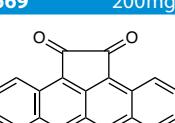
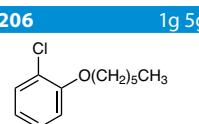
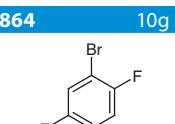
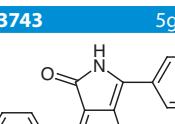
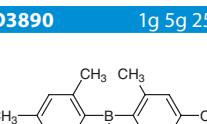
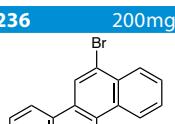
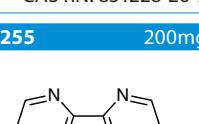
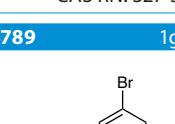
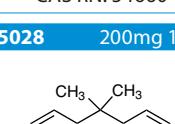
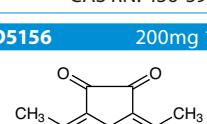
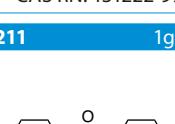
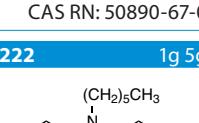
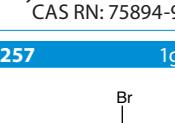
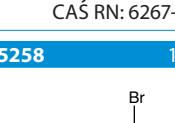
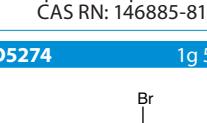
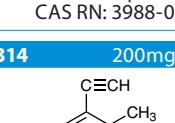
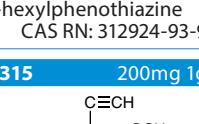
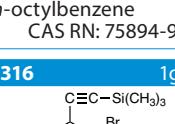
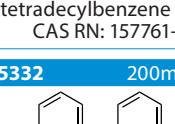
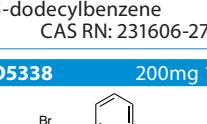
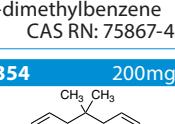
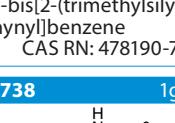
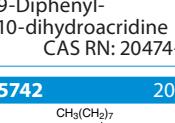
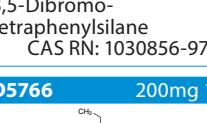
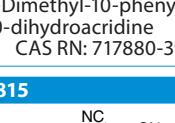
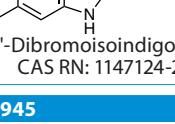
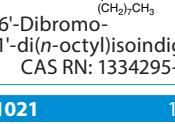
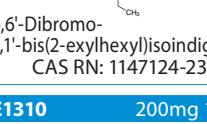
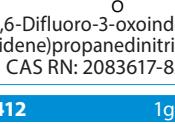
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D5801  9,9-Dimethyl-N-(2-naphthyl)-9H-fluoren-2-amine CAS RN: 1263001-82-6	D5811  Di([1,1':3',1"-terphenyl]-4-yl)amine CAS RN: 897671-71-5	F0630  4-Fluorodiphenylamine CAS RN: 330-83-6	F1070  5'-Fluoro-N-phenyl-[1,1':3',1"-terphenyl]-4'-amine CAS RN: 1228153-91-0	M1135  3-Methoxydiphenylamine CAS RN: 101-16-6
M1173  4-Methyldiphenylamine CAS RN: 620-84-8	M1258  3-Methyldiphenylamine CAS RN: 1205-64-7	M1286  4-Methoxy-2-methyldiphenylamine CAS RN: 41317-15-1	M2069  4-Methoxydiphenylamine CAS RN: 1208-86-2	M2070  4-Methoxy-4'-methyldiphenylamine CAS RN: 39253-43-5
M3064  2-Methyl-N-(m-tolyl)-aniline CAS RN: 34801-11-1	M3065  3-Methoxy-N-(4-methoxyphenyl)aniline CAS RN: 3661-49-2	M3067  2,4'-Dimethoxydiphenylamine CAS RN: 58751-07-8	N1053  N-[4-(1-Naphthyl)phenyl]-4-biphenylamine CAS RN: 897921-59-4	N1106  N-(Naphthalen-1-yl)-9,9-diphenyl-9H-fluoren-2-amine CAS RN: 1196694-11-7
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P1497  3-Anilinobiphenyl CAS RN: 198275-79-5	P1498  4-Anilinobiphenyl CAS RN: 32228-99-2	T1326  3-Trifluoromethyl-4'-methoxydiphenylamine CAS RN: 1494-26-4	T1831  1,3,5-Tris(phenylamino)benzene CAS RN: 102664-66-4	T2065  2-(p-Toluidino)naphthalene CAS RN: 644-16-6
T2201  1-(p-Toluidino)naphthalene CAS RN: 634-43-5	T2891  N,N,N'-Triphenylbenzidine CAS RN: 167218-30-6	T3367  4-Anilinotriphenylamine CAS RN: 19606-98-5	T3746  N,9,9-Triphenyl-9H-fluoren-2-amine CAS RN: 860465-14-1	T3807  N-(3,5-Diphenylphenyl)-9,9-dimethylfluoren-2-amine CAS RN: 1372778-68-1
Tertiary Arylamines		A2624  4-Aminotriphenylamine CAS RN: 2350-01-8	A2858  2-Amino-N-[(1,1'-biphenyl)-4-yl]-N-(4-bromophenyl)-9,9-dimethylfluorene CAS RN: 1246562-40-2	B1336  N,N'-Bis(4-chlorophenyl)-N,N'-diphenyl-1,4-phenylenediamine CAS RN: 113703-66-5
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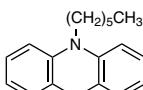
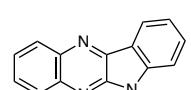
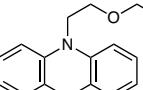
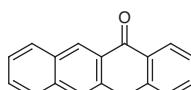
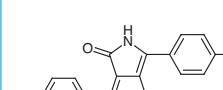
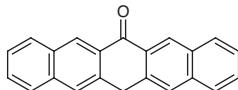
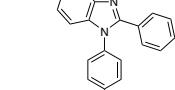
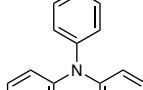
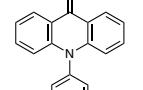
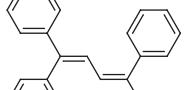
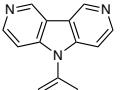
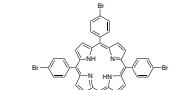
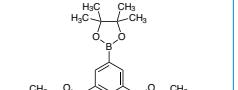
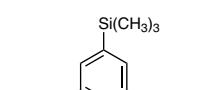
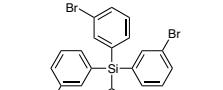
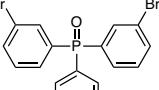
Building Blocks for Organic Semiconductor

B2843 1g  Bis(4-formylphenyl)-phenylamine (purified by sublimation) CAS RN: 53566-95-3	B2844 250mg 1g  4-Bromo-4'-(diphenylamino)biphenyl CAS RN: 202831-65-0	B3089 1g 5g  4-Bromo-N,N-di-p-tolylaniline CAS RN: 58047-42-0	B3991 200mg  4,4'-Dibromo-4"formyltriphenylamine CAS RN: 25069-38-9	B4008 5g  2-Bromotriphenylamine CAS RN: 78600-31-4
B4036 1g 5g  3-Bromotriphenylamine CAS RN: 78600-33-6	B4299 200mg 1g  1-[N-(4-Bromophenyl)-anilino]naphthalene CAS RN: 138310-84-6	B4543 200mg  4-[Bis(4-iodophenyl)-amino]benzaldehyde CAS RN: 808758-81-8	B4550 5g 25g  N,N-Bis(4-biphenyl)-N-(4-bromophenyl)amine CAS RN: 499128-71-1	B4660 200mg 1g  4-[Bis(4-bromophenyl)amino]phenylboronic Acid Pinacol Ester CAS RN: 850153-24-1
B4667 1g 5g  4-Bromo-4',4"-dimethoxy-triphenylamine CAS RN: 194416-45-0	B4793 200mg 1g  N,N'-Bis(4-formylphenyl)-N,N'-diphenylbenzidine CAS RN: 137911-28-5	B4812 1g 5g  4-Bromo-4'-phenyltriphenylamine CAS RN: 503299-24-9	B4905 1g  4-Formyl-4',4"-dimethoxy-triphenylamine CAS RN: 89115-20-8	B4906 200mg 1g  4-Bromo-4'-(di(p-tolyl)-amino)stilbene CAS RN: 101186-77-0
B4922 200mg 1g  4-[(4-Bromophenyl)(p-tolyl)-amino]benzaldehyde CAS RN: 733744-98-4	B5019 1g  3-Bromo-N,N-di-p-tolylaniline CAS RN: 845526-91-2	B5020 1g 5g  4'-Bromo-tri(4-biphenyl)amine CAS RN: 728039-63-2	B5049 200mg 1g  N-(4'-Bromo-4-biphenyl)-N-phenyl-1-naphthylamine CAS RN: 352359-42-3	B5086 1g 5g  N,N-Bis(4-biphenyl)-aniline CAS RN: 122215-84-3
B5142 200mg 1g  4-Bromo-N,N-bis(9,9-dimethyl-9H-fluoren-2-yl)aniline CAS RN: 313050-71-4	B5637 1g 5g  4,4'-Dibromo-4"fluorotriphenylamine CAS RN: 1429194-04-6	B5638 1g  N-(4-Bromophenyl)-3-methyl-N-(m-tolyl)aniline CAS RN: 203710-89-8	B5676 1g 5g  N,N-Bis(4-diphenylaminino-4-biphenyl)amine CAS RN: 167218-39-5	B5719 1g  N-(1,1'-Biphenyl)-4-yl)-N-(4-bromo-[1,1'-biphenyl]-4-yl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1268621-99-3
B6005 1g  [4-(Bis(4-methoxyphenyl)-amino)phenyl]boronic Acid CAS RN: 201802-29-1	B6126 1g 5g  N,N-Bis(4-bromophenyl)-4-amino-p-terphenyl CAS RN: 2205054-16-4	D1910 1g 5g  4,4'-Dibromotriphenylamine CAS RN: 81090-53-1	D2172 5g 25g  p-Formyltriphenylamine CAS RN: 4181-05-9	D2737 1g 5g  4-(Di-p-tolylamino)-benzaldehyde CAS RN: 42906-19-4
D3303 1g  4,4'-Dibromo-4"phenyltriphenylamine CAS RN: 884530-69-2	D3537 1g 5g  Triphenylamine-4-boronic Acid CAS RN: 201802-67-7	D4755 1g 5g  N,N-Di-m-tolylaniline CAS RN: 13511-11-0	D4843 1g 5g  N,N-Diphenyl-2-naphthylamine CAS RN: 6940-30-3	D4886 1g 5g  4-[Di(4-biphenyl)-amino]phenylboronic Acid Pinacol Ester CAS RN: 952431-30-0
D5330 1g 5g  4,4'-Dibromo-4"tert-butyltriphenylamine CAS RN: 852534-22-6	D5339 1g 5g  N,N-Bis(4-bromophenyl)-4-methoxyaniline CAS RN: 100308-69-8	D5378 200mg 1g  4,4'-Dibromo-4"hexyloxytriphenylamine CAS RN: 1456880-51-5	D5534 1g 5g  4-(Diphenylamino)-phenylboronic Acid Pinacol Ester CAS RN: 267221-88-5	D5603 200mg 1g  4,4'-Dibromotriphenylamine CAS RN: 81090-53-1

E0894  4-Ethynyltriphenylamine CAS RN: 205877-26-5	F1179  4-Fluorotriphenylamine CAS RN: 437-25-2	I0490  N-(4'-Iodobiphenyl-4-yl)- N-(m-tolyl)aniline CAS RN: 195443-34-6	I0776  4-Iodo-4',4"-dimethoxy- triphenylamine CAS RN: 201802-15-5	I0951  4-Iodotriphenylamine CAS RN: 38257-52-2
M3112  4'-Methoxy- N,N-di-p-tolyl- [1,1'-biphenyl]-4-amine CAS RN: 129119-41-1	T1361  Tris(4-bromophenyl)amine CAS RN: 4316-58-9	T1724  Tris(4-iodophenyl)amine CAS RN: 4181-20-8	T2310  Tris(4-formylphenyl)amine CAS RN: 119001-43-3	T2332  Tris(4-aminophenyl)amine CAS RN: 5981-09-9
T2333  Tris(4-nitrophenyl)amine CAS RN: 20440-93-1	T2891  N,N,N',N'-Triphenylbenzidine CAS RN: 167218-30-6	T3094  Tris(4-ethynylphenyl)- amine CAS RN: 189178-09-4	T3315  Tris[4-(5-bromothiophen-2-yl)- phenyl]amine CAS RN: 339985-36-3	T3367  4-Anilinotriphenylamine CAS RN: 19606-98-5
T3456  N,N,N',N"- Tetrakis(4-nitrophenyl)- 1,4-phenylenediamine CAS RN: 3283-05-4	T3642  3,6-Bis[N,N-bis(4-methoxy- phenyl)amino]-9H-carbazole CAS RN: 1630723-98-6	T3777  Tris(4-bromophenyl)amine (purified by sublimation) CAS RN: 4316-58-9	Others	
A3154  10-Acetylphenothiazine CAS RN: 1628-29-1	A3219  Acridine-3,6-diamine CAS RN: 92-62-6	B3955  9-Bromotriptycene CAS RN: 15364-55-3	B4599  3-Bromofluoranthene CAS RN: 13438-50-1	B4633  1,4-Benzenediboronic Acid Bis(pinacol) Ester CAS RN: 99770-93-1
B4818  1-Bromo- 3,5-diethylbenzene CAS RN: 1238156-36-9	B4871  2-(4-Bromophenyl)- imidazo[1,2-a]pyridine CAS RN: 34658-66-7	B5017  2-(4-Bromophenyl)- benzoxazole CAS RN: 3164-13-4	B5222  3-Bromotetraphenylsilane CAS RN: 185626-73-7	B5374  10-(4-Bromophenyl)phenothiazine (contains 10% 10-(4-iodophenyl)- phenothiazine at maximum) CAS RN: 63524-03-8
B5397  2-Bromoindolo[3,2,1-jk]- carbazole CAS RN: 1174032-81-5	B5444  1-Bromo- 3,5-diethynylbenzene CAS RN: 144001-08-1	B5459  (4-Bromophenyl)- diphenylphosphine Oxide CAS RN: 5525-40-6	B5530  (3-Bromophenyl)- diphenylphosphine Oxide CAS RN: 10212-04-1	B5531  Bis(3-bromophenyl)- phenylphosphine Oxide CAS RN: 1163698-32-5
B5532  Bis(4-bromophenyl)- phenylphosphine Oxide CAS RN: 93869-52-4	B5533  2-Bromo-9,9-dimethyl- 9,10-dihydroacridine CAS RN: 1443680-94-1	B5534  2-Bromo-9,9-dimethyl- 10-phenyl-9,10-dihydroacridine CAS RN: 1319720-64-3	B5535  10-(4-Bromophenyl)- 9,9-dimethyl-9,10-dihydroacridine CAS RN: 1342892-15-2	B5536  10-(4-Bromophenyl)- 9(10H)-acridone CAS RN: 24275-95-4

Building Blocks for Organic Semiconductor

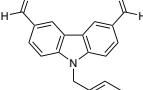
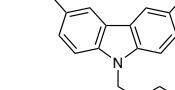
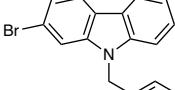
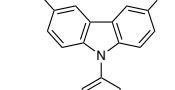
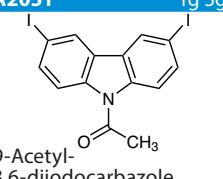
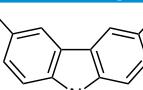
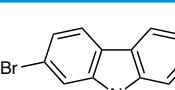
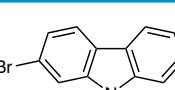
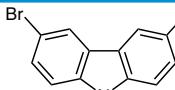
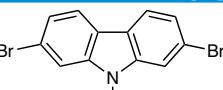
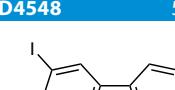
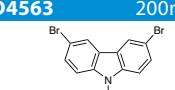
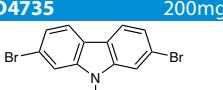
B5967  1g 5g 2'-Bromospiro[fluorene-9,9'-xanthene] CAS RN: 1477458-14-2	B5986  1g 5g 4-Bromo-4'-(4-bromophenyl)-3',5',6'-triphenyl-1,1':2',1"-terphenyl CAS RN: 22932-54-3	B5987  1g 5g 2,5-Bis(4-bromophenyl)-3,4-diphenylcyclopenta-2,4-dienone CAS RN: 54523-24-9	B5993  200mg N,N'-Bis(2-ethylhexyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)isoindigo CAS RN: 1821433-54-8	B6156  250mg 1g 2-Bromo-9H-thioxanthene-9-one CAS RN: 20077-10-5
B6157  1g (2,5-Dihexyl-1,4-phenylene)-diboronic Acid Bis(pinacol) Ester CAS RN: 374934-77-7	B6193  1g 3-Bromo-9H-xanthene-9-one CAS RN: 500286-36-2	B6283  1g 1H-Benzof[1]indole CAS RN: 268-58-6	B6284  200mg 1g Biphenylene CAS RN: 259-79-0	C2669  200mg 1g Cyclopenta[fg]tetracene-1,2-dione CAS RN: 1334510-66-5
C3206  1g 5g 1-Chloro-2,4-bis(hexyloxy)benzene CAS RN: 851228-26-7	D1864  10g 25g 1,4-Dibromo-2,5-difluorobenzene CAS RN: 327-51-5	D3743  5g 25g Pigment Red 255 CAS RN: 54660-00-3	D3890  1g 5g 25g Dimesitylfluoroborane CAS RN: 436-59-9	D4236  200mg 1g 6,12-Dibromochrysene CAS RN: 131222-99-6
D4255  200mg 4,5-Diazafluoren-9-one CAS RN: 50890-67-0	D4789  1g 5g 1,3-Dibromo-5-hexylbenzene CAS RN: 75894-97-2	D5028  200mg 1g 5g 9,10-Dihydro-9,9-dimethylacridine CAS RN: 6267-02-3	D5156  200mg 1g 3,8-Dimethyl-acenaphthenequinone CAS RN: 146885-81-6	D5211  1g 5g 4,4'-Dibromobenzophenone CAS RN: 3988-03-2
D5222  1g 5g 3,7-Dibromo-10-hexylphenoxythiazine CAS RN: 312924-93-9	D5257  1g 5g 1,3-Dibromo-5-n-octylbenzene CAS RN: 75894-99-4	D5258  1g 5g 1,3-Dibromo-5-tetradecylbenzene CAS RN: 157761-91-6	D5274  1g 5g 1,3-Dibromo-5-dodecylbenzene CAS RN: 231606-27-2	D5314  200mg 1g 1,4-Diethynyl-2,5-dimethylbenzene CAS RN: 75867-45-7
D5315  200mg 1g 1,4-Diethynyl-2,5-dimethoxybenzene CAS RN: 74029-40-6	D5316  1g 5g 1,4-Dibromo-2,5-bis[2-(trimethylsilyl)ethynyl]benzene CAS RN: 478190-79-3	D5332  200mg 1g 9,9-Diphenyl-9,10-dihydroacridine CAS RN: 20474-15-1	D5338  200mg 1g 3,5-Dibromo-tetraphenylsilane CAS RN: 1030856-97-3	D5354  200mg 1g 9,9-Dimethyl-10-phenyl-9,10-dihydroacridine CAS RN: 717880-39-2
D5528  200mg 1g 2,7-Dibromo-dibenzo[b,e][1,4]dioxin CAS RN: 39073-07-9	D5738  1g 5g 6,6'-Dibromoisoindigo CAS RN: 1147124-21-7	D5742  200mg 6,6'-Dibromo-1,1'-di(n-octyl)isoindigo CAS RN: 1334295-79-2	D5766  200mg 1g 6,6'-Dibromo-1,1'-bis(2-ethylhexyl)isoindigo CAS RN: 1147124-23-9	D5815  1g 2-(5,6-Difluoro-3-oxoinden-1-ylidene)propanedinitrile CAS RN: 2083617-82-5
D5839  1g 5g 2,7-Dibromo-9H-thioxanthene-9-one CAS RN: 40102-86-1	D5945  1g (5,6-Dichloro-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAS RN: 2197167-50-1	E1021  1g 5g 4-Ethynyl-N,N-dimethylaniline CAS RN: 17573-94-3	E1310  200mg 1g Ethynyl(diphenyl)-phosphine Oxide CAS RN: 6104-48-9	H1412  1g 5g Hexaphenylbenzene CAS RN: 992-04-1

H1608  10-Hexylphenothiazine CAS RN: 73025-93-1	I1098  6H-Indolo[2,3-b]-quinoxaline CAS RN: 243-59-4	M3068  MEEPT CAS RN: 2098786-35-5	N0603  Tetracenequinone CAS RN: 1090-13-7	P1676  Pigment Red 254 CAS RN: 84632-65-5
P1685  6,13-Pentacenedione CAS RN: 3029-32-1	P2282  4-(2-Phenyl-1H-benzimidazol-1-yl)phenylboronic Acid CAS RN: 867044-33-5	P2470  10-Phenylphenothiazine CAS RN: 7152-42-3	P2537  10-Phenyl-9(10H)-acridone CAS RN: 5472-23-1	T0168  TPB CAS RN: 1450-63-1
T3281  5-(m-Tolyl)-5H-pyrrolo-[3,2-c;4,5-c']dipyridine CAS RN: 1014403-09-8	T3467  5,10,15,20-Tetrakis-(4-bromophenyl)porphyrin CAS RN: 29162-73-0	T3515  1,3,5-Phenyltriboronic Acid Tris(pinacol) Ester CAS RN: 365564-05-2	T3526  1,3,5-Tris(trimethylsilyl)-benzene CAS RN: 5624-60-2	T3571  Tetrakis(3-bromophenyl)-silane CAS RN: 553611-81-7
T3578  Tris(3-bromophenyl)-phosphine Oxide CAS RN: 38019-09-9				

Polymer / Macromolecule Semiconductor Building Blocks

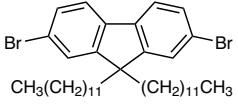
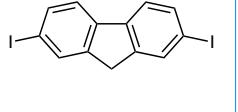
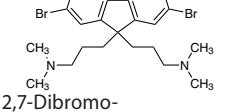
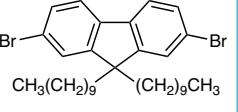
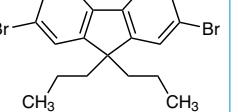
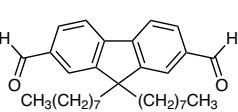
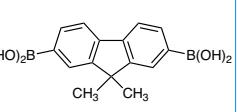
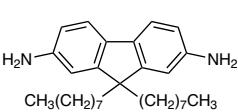
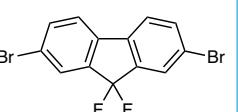
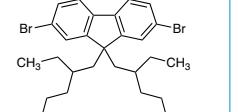
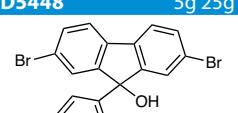
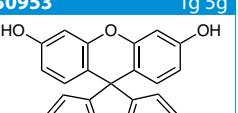
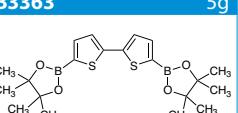
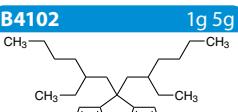
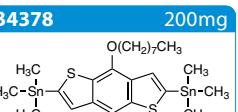
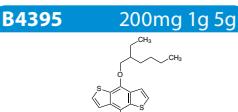
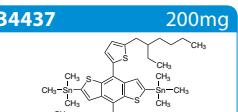
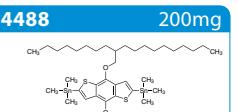
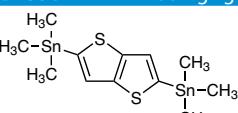
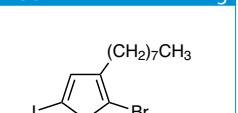
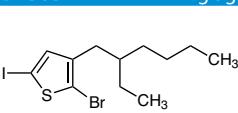
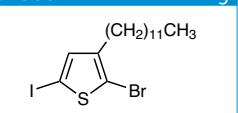
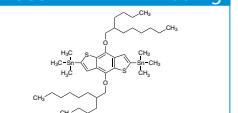
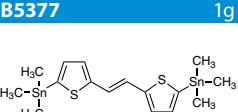
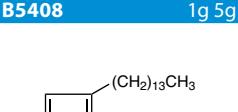
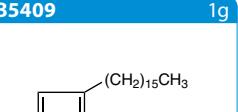
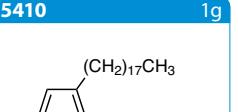
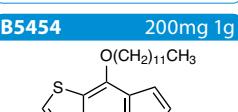
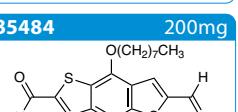
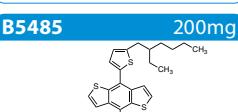
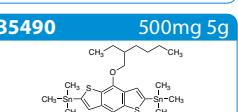
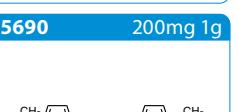
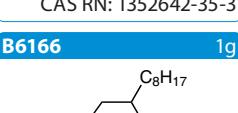
Donor Monomers

Carbazoles

B2805  9-Benzylcarbazole-3,6-dicarboxaldehyde CAS RN: 200698-05-1	B4348  9-Benzyl-3,6-dibromocarbazole CAS RN: 118599-27-2	B5462  9-Benzyl-2,7-dibromo-9H-carbazole CAS RN: 1384281-49-5	D2981  3,6-Dibromo-9-phenylcarbazole CAS RN: 57103-20-5	A2051  9-Acetyl-3,6-diiodocarbazole CAS RN: 606129-89-9
D2983  3,6-Dibromocarbazole CAS RN: 6825-20-3	D3932  2,7-Dibromocarbazole CAS RN: 136630-39-2	D3935  2,7-Dibromo-9-n-octylcarbazole CAS RN: 726169-75-1	D4482  3,6-Dibromo-9-n-octylcarbazole CAS RN: 79554-93-1	D4490  2,7-Dibromo-9-(9-heptadecyl)-carbazole CAS RN: 955964-73-5
D4543  3,6-Diido-9-phenylcarbazole CAS RN: 57103-21-6	D4548  3,6-Diiodocarbazole CAS RN: 57103-02-3	D4563  3,6-Dibromo-9-(4-bromophenyl)carbazole CAS RN: 73087-83-9	D4661  2,7-Dibromo-9-dodecylcarbazole CAS RN: 544436-47-7	D4735  2,7-Dibromo-9-(2-ethylhexyl)carbazole CAS RN: 544436-46-6

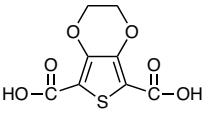
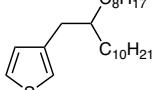
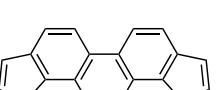
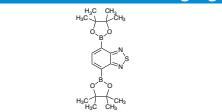
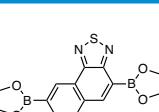
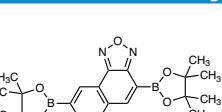
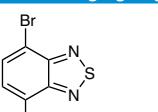
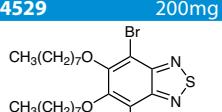
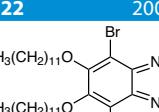
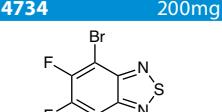
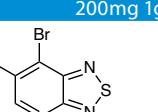
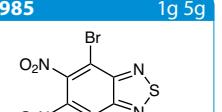
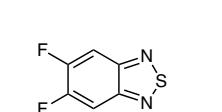
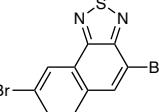
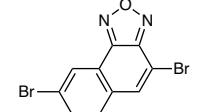
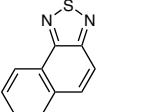
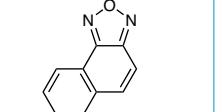
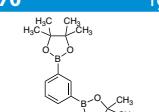
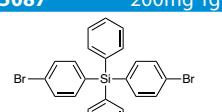
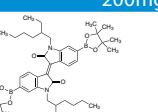
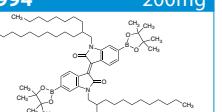
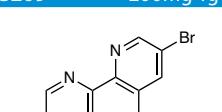
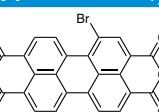
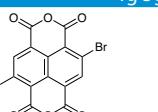
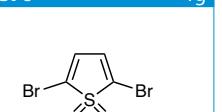
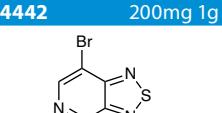
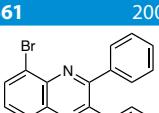
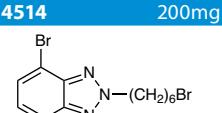
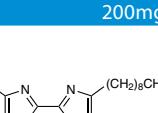
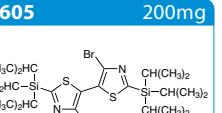
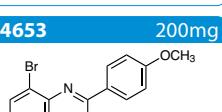
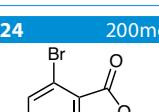
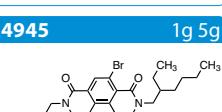
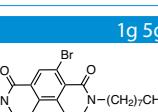
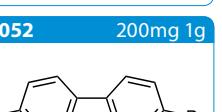
Building Blocks for Organic Semiconductor

D4830 3,6-Dibromo-9-(2-ethylhexyl)carbazole CAS RN: 173063-52-0	D4832 2,7-Dibromo-9-phenylcarbazole CAS RN: 444796-09-2	D5000 3,6-Dibromo-9-(4-tert-butylphenyl)-9H-carbazole CAS RN: 741293-42-5	D5001 3,6-Dibromo-9-(<i>p</i> -tolyl)-9H-carbazole CAS RN: 357437-74-2	D5055 2,7-Dibromo-9-hexylcarbazole CAS RN: 654676-12-7
D5340 3,6-Dibromo-9-(4-methoxyphenyl)-9H-carbazole CAS RN: 746651-52-5	D5341 3,6-Dibromo-9-(4-n-octyloxyphenyl)-9H-carbazole CAS RN: 917773-26-3	D5342 3,6-Dibromo-9-[4-(2-ethylhexyloxyphenyl)-9H-carbazole CAS RN: 946491-48-1	D5343 3,6-Dibromo-9-(4-dodecyloxyphenyl)-9H-carbazole CAS RN: 865163-47-9	D5403 2,7-Dibromo-9-heptyl-9H-carbazole CAS RN: 1173071-58-3
D5404 3,6-Dibromo-9-heptyl-9H-carbazole CAS RN: 1103535-99-4	D5410 3,6-Dibromo-9-hexyl-9H-carbazole CAS RN: 150623-72-6	D5419 3,6-Dibromo-9-(2,4-dimethylphenyl)carbazole CAS RN: 1873362-96-9	D5420 3,6-Dibromo-9-(3,4-dimethylphenyl)-9H-carbazole CAS RN: 1786404-06-5	D5421 3,6-Dibromo-9-(3,5-dimethylphenyl)-9H-carbazole CAS RN: 1873364-08-9
D5424 3,6-Dibromo-9-(<i>m</i> -tolyl)-9H-carbazole CAS RN: 890653-54-0	E1324 9-(2-Ethylhexyl)-9H-carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 476360-83-5	E1325 9-(2-Ethylhexyl)-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 448955-87-1	H1642 9-Hexyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 871696-12-7	H1649 9-Hexyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 628336-95-8
00428 9-(1- <i>n</i> -Octylnonyl)carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 958261-51-3	00439 9- <i>n</i> -Octyl-9H-carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 406726-92-9	00497 9- <i>n</i> -Octyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 478706-06-8	P2350 9-Phenyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 618442-57-2	P2571 9-Phenyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 1035631-57-2
Fluorenes				
B3552 2,7-Dibromo-9,9-bis(6-bromohexyl)fluorene CAS RN: 570414-33-4	B3582 9,9-Di-n-octylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 196207-58-6	B4029 9,9-Dihexylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 254755-24-3	B4588 9,9-Didecylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 711026-06-1	
B4892 9,9-Bis(2-ethylhexyl)fluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 357219-41-1	B5157 9,9-Dimethylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 325129-69-9	B5580 7-Bromo-9,9-di- <i>n</i> -octyl-9H-fluorene-2-boronic Acid Pinacol Ester CAS RN: 620624-96-6	B5656 (9,9'-Spirobi[9H-fluorene]-2,7-diyl)bis(boronic Acid Pinacol Ester) CAS RN: 728911-52-2	D3556 2,7-Dibromofluorene CAS RN: 16433-88-8
D3557 2,7-Dibromo-9-fluorenone CAS RN: 14348-75-5	D3781 2,7-Dibromo-9,9'-spirobi[9H-fluorene] CAS RN: 171408-84-7	D3859 2,7-Dibromo-9,9-dimethylfluorene CAS RN: 28320-32-3	D3933 2,7-Dibromo-9,9-dihexylfluorene CAS RN: 189367-54-2	D3934 2,7-Dibromo-9,9-di- <i>n</i> -octylfluorene CAS RN: 198964-46-4

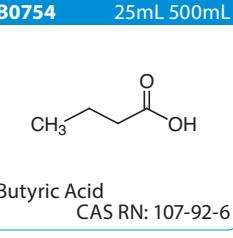
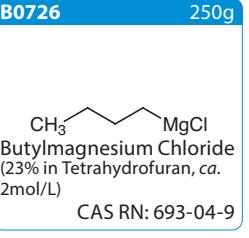
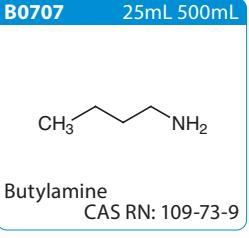
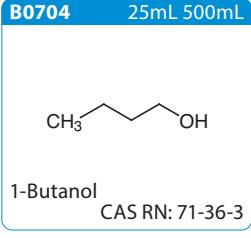
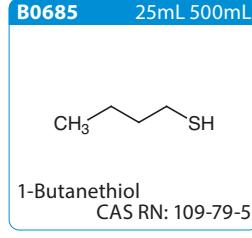
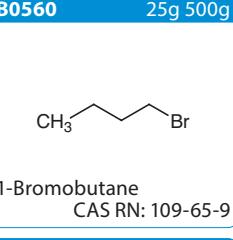
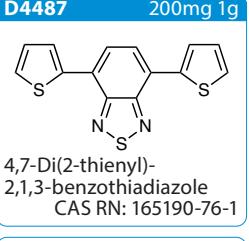
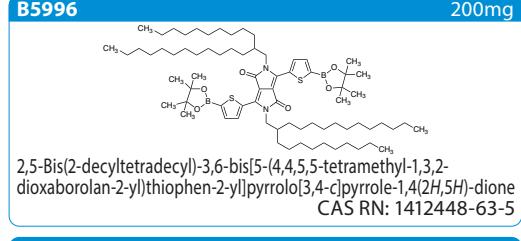
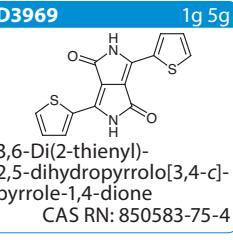
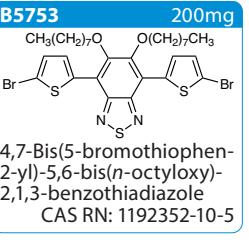
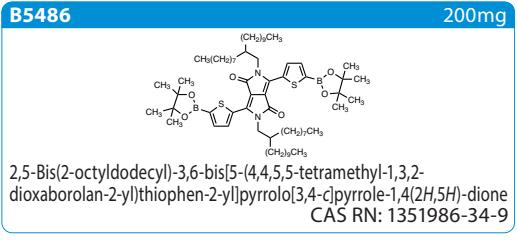
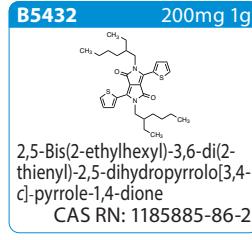
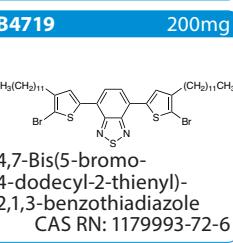
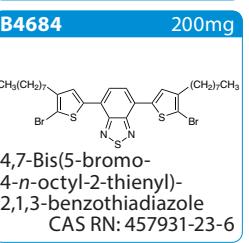
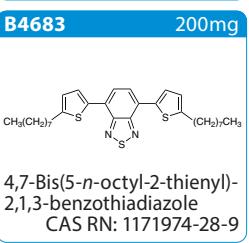
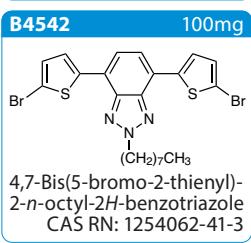
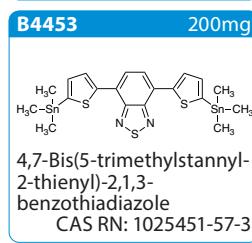
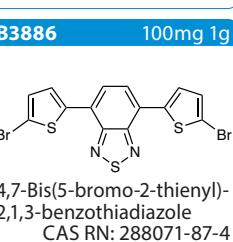
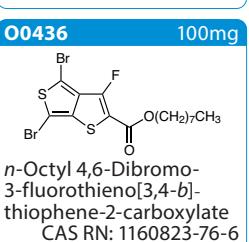
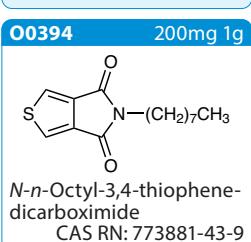
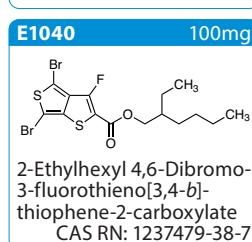
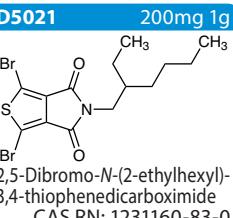
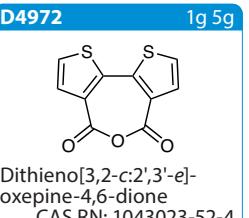
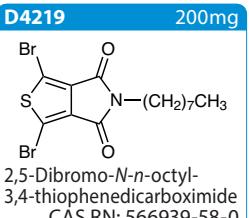
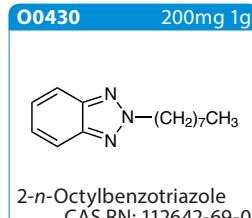
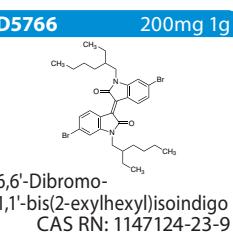
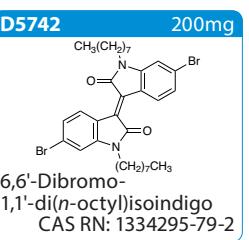
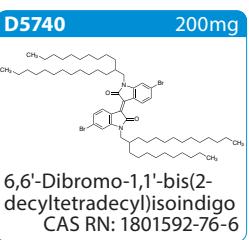
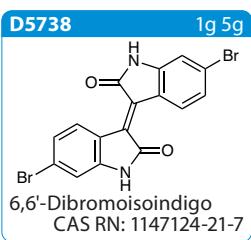
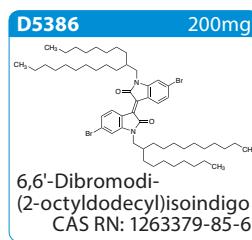
D4052  5g 25g 2,7-Dibromo-9,9-didodecylfluorene CAS RN: 286438-45-7	D4504  1g 5g 2,7-Diiodofluorene CAS RN: 16218-28-3	D4550  200mg 1g 2,7-Dibromo-9,9-bis[3-(dimethylamino)propyl]fluorene CAS RN: 673474-73-2	D4561  5g 25g 2,7-Dibromo-9,9-didecylfluorene CAS RN: 175922-78-8	D4569  1g 5g 2,7-Dibromo-9,9-dipropylfluorene CAS RN: 157771-56-7
D4671  1g 9,9-Di-n-octylfluorene-2,7-dicarboxaldehyde CAS RN: 380600-91-9	D4701  1g (9,9-Dimethyl-9H-fluorene-2,7-diyl)diboronic Acid CAS RN: 866100-14-3	D4719  200mg 1g 2,7-Diamino-9,9-di-n-octylfluorene CAS RN: 851042-10-9	D5053  200mg 1g 2,7-Dibromo-9,9-difluorofluorene CAS RN: 1229603-71-7	D5215  5g 2,7-Dibromo-9,9-bis(2-ethylhexyl)fluorene CAS RN: 188200-93-3
D5448  5g 25g 2,7-Dibromo-9-phenyl-9H-fluoren-9-ol CAS RN: 132717-37-4	S0953  1g 5g Spiro[fluorene-9,9'-xanthene]-3',6'-diol CAS RN: 4081-00-9	Thiophenes		B3363  5g 2,2'-Bithiophene-5,5'-diboronic Acid Bis(pinacol) Ester CAS RN: 239075-02-6
B4102  1g 5g 4,4-Bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAS RN: 365547-20-2	B4378  200mg 4,8-Bis(n-octyloxy)-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1098102-95-4	B4395  200mg 1g 5g 4,8-Bis(2-ethylhexyloxy)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-77-7	B4437  200mg 4,8-Bis[2-(ethylhexyl)thiophen-2-yl]-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-37-5	B4488  200mg 2,6-Bis(trimethylstannyl)-4,8-bis[(2-n-octyldodecyl)oxy]-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1320201-22-6
B4536  200mg 1g 2,5-Bis(trimethylstannyl)-thieno[3,2-b]thiophene CAS RN: 469912-82-1	B4584  1g 2-Bromo-5-iodo-3-n-octylthiophene CAS RN: 1085181-82-3	B4585  1g 5g 2-Bromo-3-(2-ethylhexyl)-5-iodothiophene (stabilized with Copper chip) CAS RN: 1034352-30-1	B4586  1g 2-Bromo-3-dodecyl-5-iodothiophene (stabilized with Copper chip) CAS RN: 306769-48-2	B4685  200mg 4,8-Bis(2-butyl-n-octyloxy)-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1271439-08-7
B5377  1g trans-1,2-Bis[5-(trimethylstannyl)thiophen-2-yl]ethene CAS RN: 477789-30-3	B5407  1g 5g 2-Bromo-5-dodecylthiophene CAS RN: 153561-74-1	B5408  1g 5g 2-Bromo-3-tetradecylthiophene CAS RN: 500199-09-7	B5409  1g 2-Bromo-3-hexadecylthiophene CAS RN: 827343-08-8	B5410  1g 2-Bromo-3-octadecylthiophene CAS RN: 827343-18-0
B5454  200mg 1g 4,8-Bis(dodecyloxy)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1044795-04-1	B5484  200mg 4,8-Bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene-2,6-dicarbaldehyde CAS RN: 1668554-22-0	B5485  200mg 4,8-Bis[5-(2-ethylhexyl)-thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-35-3	B5490  500mg 5g 4,8-Bis[2-(ethylhexyl)oxy]-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-78-8	B5690  200mg 1g 5,5"-Bis(trimethylstannyl)-2,2':5',2"-terthiophene CAS RN: 178931-63-0
B5768  200mg [4,8-Bis[5-(2-ethylhexyl)thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene-2,6-diy]bis(trimethylstannane) CAS RN: 1444200-40-1	B6166  1g 2-Bromo-3-(2-octyldodecyl)thiophene CAS RN: 1268060-77-0	D2245  1g 5g 25g 2,8-Dibromodibenzothiophene CAS RN: 31574-87-5	D2755  1g 5g 5,5'-Dibromo-2,2'-bithiophene CAS RN: 4805-22-5	

Building Blocks for Organic Semiconductor

D3678	200mg 1g 5g	D3679	200mg 1g	D3798	1g 5g 25g	D3799	200mg 1g	D3800	200mg 1g
2,5-Dibromo-thieno[3,2-b]thiophene CAS RN: 25121-87-3		3,6-Dibromo-thieno[3,2-b]thiophene CAS RN: 392662-65-6		3,3'-Dibromo-2,2'-bithiophene CAS RN: 51751-44-1		2,6-Dibromodithieno-[3,2-b;2',3'-d]thiophene CAS RN: 67061-69-2		3,5-Dibromodithieno-[3,2-b;2',3'-d]thiophene CAS RN: 502764-54-7	
D3896	5g 25g	D3941	1g 5g	D3954	1g 5g	D4031	5g	D4032	1g
2,5-Dibromo-3-hexyl-thiophene CAS RN: 116971-11-0		3,3'-Dibromo-5,5'-bis(trimethylsilyl)-2,2'-bithiophene CAS RN: 207742-50-5		2,6-Dibromobenzothiophene CAS RN: 909280-97-3		2,5-Dibromo-3-dodecylthiophene CAS RN: 148256-63-7		2,5-Dibromo-thieno[2,3-b]thiophene CAS RN: 25121-86-2	
D4033	1g	D4050	1g 5g	D4053	5g	D4056	1g 5g	D4183	1g 5g
3,4-Dibromo-thieno[2,3-b]thiophene CAS RN: 53255-78-0		2,5-Bis(5-bromo-2-thienyl)-thiophene CAS RN: 98057-08-0		2,5-Dibromo-3-n-octylthiophene CAS RN: 149703-84-4		2,5-Dibromo-3,4-ethylenedioxothiophene CAS RN: 174508-31-7		5,5'-Dibromo-3,3'-dihexyl-2,2'-bithiophene CAS RN: 170702-05-3	
D4184	200mg 1g	D4274	200mg	D4524	200mg	D4564	200mg	D4568	200mg
5,5'-Dibromo-4,4'-dihexyl-2,2'-bithiophene CAS RN: 214493-03-5		3,7-Dibromo-dibenzo[b,d]thiophene CAS RN: 83834-10-0		2,6-Dibromo-4,8-bis(2-ethylhexyloxy)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1226782-13-3		4,4-Di-n-octyldithieno-[3,2-b:2,3-d']silole CAS RN: 1160106-12-6		2,6-Dibromo-4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAS RN: 365547-21-3	
D4572	5g 25g	D4582	1g 5g	D4592	200mg	D4621	200mg	D4714	200mg
2,5-Dibromo-3-decyldithiophene CAS RN: 158956-23-1		2,5-Dibromo-3-thenoic Acid CAS RN: 7311-70-8		2,6-Dibromo-4,8-bis(2-butyl-n-octyl)oxybenzo[1,2-b:4,5-b']dithiophene CAS RN: 1336893-15-2		2,6-Dibromo-4,8-bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1294515-75-5		2,6-Dibromo-4-n-octyldithieno-[3,2-b:2,3-d']pyrrole CAS RN: 1346688-54-7	
D4746	1g 5g	D4799	100mg	D4870	200mg 1g	D5027	200mg 1g	D5240	1mL 5mL
2,5-Dichloro-3,4-ethylenedioxothiophene CAS RN: 225518-49-0		2,6-Dibromo-4,4-di-n-octyl-dithieno[3,2-b;2',3'-d]silole CAS RN: 1160106-14-8		2,8-Diodo-dibenzothiophene CAS RN: 105404-91-9		2,8-Dibromo-dibenzosulfolane CAS RN: 40307-15-1		2-Decylthiophene CAS RN: 24769-39-9	
D5241	1g 5g	D5242	1g 5g	D5243	1g	D5247	1g	D5423	200mg 1g
2,5-Dibromo-3-tetradecylthiophene CAS RN: 160096-74-2		2,5-Dibromo-3-hexadecylthiophene CAS RN: 178452-13-6		2,5-Dibromo-3-octadecylthiophene CAS RN: 205235-01-4		2,5-Dibromo-3-cyclohexylthiophene CAS RN: 302912-44-3		3,4-(2,2'-Dimethyl-propylenedioxy)thiophene CAS RN: 255901-50-9	
D5436	100mg	D5447	200mg 1g	D5492	200mg	D5729	1g 5g	E0741	5g 25g
5,5'-Bis(trimethylstannyl)-3,3'-difluoro-2,2'-bithiophene CAS RN: 1619967-09-7		EDT-methanol CAS RN: 146796-02-3		DH-4T CAS RN: 132814-91-6		2,5-Dibromo-3-fluorothiophene CAS RN: 32431-85-9		EDOT CAS RN: 126213-50-1	

E0743	1g 5g		3,4-Ethylenedioxothiophene-2,5-dicarboxylic Acid CAS RN: 18361-03-0	00566	1g		3-(2-Octyldodecyl)-thiophene CAS RN: 1268060-76-9	P2383	100mg		Phenanthro[1,2-b:8,7-b']dithiophene CAS RN: 1491133-64-2	Acceptors	Benzo-thiadiazoles & Analogs						
B3573	1g 5g		2,1,3-Benzothiadiazole-4,7-diboronic Acid Bis(pinacol) Ester CAS RN: 934365-16-9	B5470	100mg		Bpin2-NTz CAS RN: 1467776-41-5	B5774	100mg		Bpin2-NOz	D3842	1g 5g 25g		4,7-Dibromo-2,1,3-benzothiadiazole CAS RN: 15155-41-6				
D4529	200mg		4,7-Dibromo-5,6-di-n-octyloxy-2,1,3-benzothiadiazole CAS RN: 1192352-08-1	D4622	200mg		4,7-Dibromo-5,6-bis(dodecyloxy)-2,1,3-benzothiadiazole CAS RN: 1313876-00-4	D4734	200mg		4,7-Dibromo-5,6-difluoro-2,1,3-benzothiadiazole CAS RN: 1295502-53-2	D4750	200mg 1g		4,7-Dibromo-5-fluoro-2,1,3-benzothiadiazole CAS RN: 1347736-74-6	D4985	1g 5g		4,7-Dibromo-5,6-dinitro-2,1,3-benzothiadiazole CAS RN: 76186-72-6
D5246	1g		5,6-Difluoro-2,1,3-benzothiadiazole CAS RN: 1293389-28-2	D5288	100mg		Br2-NTz CAS RN: 133546-50-6	D5496	100mg		Br2-NOz CAS RN: 1437229-17-8	N1105	200mg		NTz CAS RN: 133546-47-1	N1137	200mg		NOz CAS RN: 1394221-73-8
Other Acceptor Monomers		B5070	1g 5g		1,3-Benzenediboronic Acid Bis(pinacol) Ester CAS RN: 196212-27-8	B5087	200mg 1g		Bis(4-bromophenyl)diphenylsilane CAS RN: 18733-91-0	B5993	200mg		N,N'-Bis(2-ethylhexyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)isoindigo CAS RN: 1821433-54-8	B5994	200mg		N,N'-Bis(2-octyldodecyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)isoindigo CAS RN: 1563062-80-5		
D3209	200mg 1g		3,8-Dibromo-1,10-phenanthroline CAS RN: 100125-12-0	D3871	1g 5g		1,7-Dibromo-3,4,9,10-perylene-tetracarboxylic Dianhydride CAS RN: 118129-60-5	D4254	1g 5g		10,10'-Dibromo-9,9'-bianthracene CAS RN: 121848-75-7	D4339	1g 5g		2,6-Dibromonaphthalene-1,4,5,8-tetracarboxylic Dianhydride CAS RN: 83204-68-6	D4376	1g		2,5-Dibromothiophene 1,1-Dioxide CAS RN: 89088-95-9
D4442	200mg 1g		4,7-Dibromo[1,2,5]-thiadiazolo[3,4-c]pyridine CAS RN: 333432-27-2	D4461	200mg		5,8-Dibromo-2,3-diphenylquinoxaline CAS RN: 94544-77-1	D4514	200mg		4,7-Dibromo-2-(6-bromohexyl)benzotriazole CAS RN: 890704-02-6	D4558	200mg		5,5'-Dibromo-4,4'-dinonyl-2,2'-bithiazole CAS RN: 172100-44-6	D4605	200mg		4,4'-Dibromo-2,2'-bis(triisopropylsilyl)-5,5'-bithiazole CAS RN: 1223559-98-5
D4653	200mg		5,8-Dibromo-2,3-bis(4-methoxyphenyl)quinoxaline CAS RN: 162967-90-0	D4724	200mg 1g		3,6-Dibromophthalic Anhydride CAS RN: 25834-16-6	D4945	1g 5g		2,6-Dibromo-N,N'-bis(2-ethylhexyl)-1,8,4,5-naphthalene-tetracarboxylic diimide CAS RN: 1088205-02-0	D4946	1g 5g		2,6-Dibromo-N,N'-di-n-octyl-1,8,4,5-naphthalene-tetracarboxylic diimide CAS RN: 926643-78-9	D5052	200mg 1g		3,7-Dibromo-dibenzosulfolane CAS RN: 83834-12-2

Building Blocks for Organic Semiconductor



Solubility Enhancing Reagents

Linear Alkyl Sources

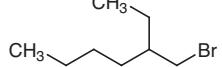
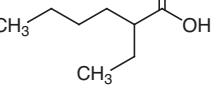
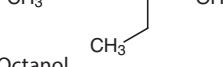
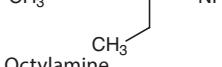
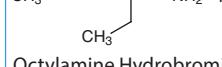
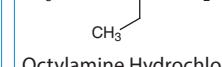
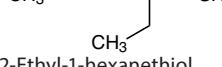
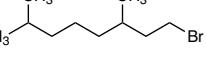
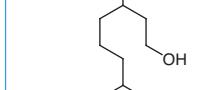
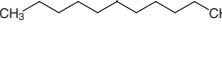
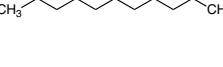
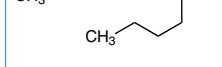
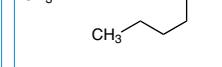
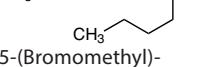
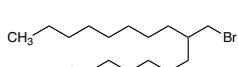
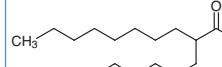
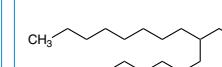
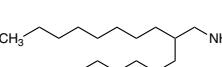
C0142	25mL 500mL	I0055	25g 100g 500g	A0445	25mL 100mL 500mL	B0628	25mL 500mL		
	1-Chlorobutane CAS RN: 109-69-3		1-Iodobutane (stabilized with Copper chip) CAS RN: 542-69-8	C5 Alkyl Groups		Amylamine CAS RN: 110-58-7		1-Bromopentane CAS RN: 110-53-2	
C0237	25mL 500mL	I0066	25mL 100mL 500mL	P0053	25mL 500mL	P0055	25mL 500mL	P1177	250g
	1-Chloropentane CAS RN: 543-59-9		1-Iodopentane (stabilized with Copper chip) CAS RN: 628-17-1		1-Pantanethiol CAS RN: 110-66-7		1-Pentanol CAS RN: 71-41-0		Pentylmagnesium Bromide (18% in Tetrahydrofuran, ca. 1mol/L) CAS RN: 693-25-4
V0003	25mL 500mL	B0600	25g 500g	C0184	25mL 500mL	H0103	25mL 500mL		
	Valeric Acid CAS RN: 109-52-4		1-Bromohexane CAS RN: 111-25-1		1-Chlorohexane CAS RN: 544-10-5		Hexyl Mercaptan CAS RN: 111-31-9		
H0105	25mL 500mL	H0130	25mL 500mL	H0134	25mL 100mL 500mL	H0821	250g	I0059	25g 100g 250g
	Hexanoic Acid CAS RN: 142-62-1		1-Hexanol CAS RN: 111-27-3		Hexylamine CAS RN: 111-26-2		Hexylmagnesium Bromide (20% in Tetrahydrofuran, ca. 1mol/L) CAS RN: 3761-92-0		1-Iodohexane (stabilized with Copper chip) CAS RN: 638-45-9
C7 Alkyl Groups	B0598	25g 500g	C0182	25mL 500mL	H0029	10g 25g	H0030	25mL 500mL	
	1-Bromoheptane CAS RN: 629-04-9		1-Chloroheptane CAS RN: 629-06-1		1-Heptanethiol CAS RN: 1639-09-4		Heptanoic Acid CAS RN: 111-14-8		
H0033	25mL 500mL	H0045	25mL 500mL	H0822	250g	I0320	25g 500g	C8 Alkyl Groups	
	1-Heptanol CAS RN: 111-70-6		Heptylamine CAS RN: 111-68-2		Heptylmagnesium Bromide (21% in Tetrahydrofuran, ca. 1mol/L) CAS RN: 13125-66-1		1-Iodoheptane (stabilized with Copper chip) CAS RN: 4282-40-0		1-Octanethiol CAS RN: 111-88-6
B0626	25mL 500mL	C0236	25mL 500mL	I0321	25g 100g 500g	O0025	25mL 500mL	O0027	25mL 500mL
	1-Bromoocetane CAS RN: 111-83-1		1-Chlorooctane CAS RN: 111-85-3		1-Iodoctane (stabilized with Copper chip) CAS RN: 629-27-6		1-Octanethiol CAS RN: 111-88-6		n-Octanoic Acid CAS RN: 124-07-2
O0036	25mL 500mL	O0045	25mL 500mL	O0240	250g	C9 Alkyl Groups	B0933	25mL 100mL 500mL	
	1-Octanol CAS RN: 111-87-5		n-Octylamine CAS RN: 111-86-4		n-Octylmagnesium Bromide (ca. 22% in Tetrahydrofuran, ca. 1mol/L) CAS RN: 17049-49-9		1-Bromononane CAS RN: 693-58-3		

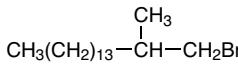
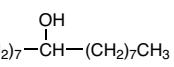
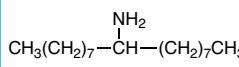
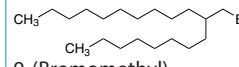
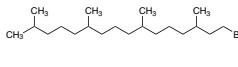
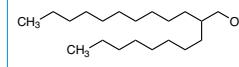
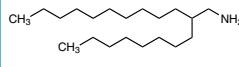
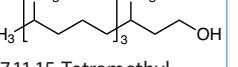
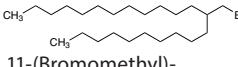
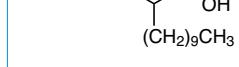
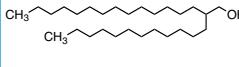
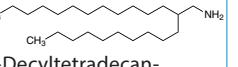
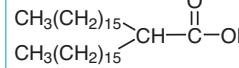
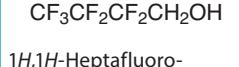
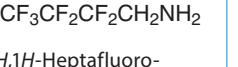
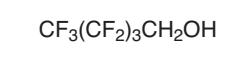
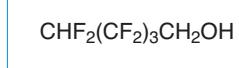
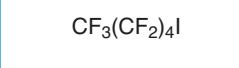
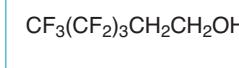
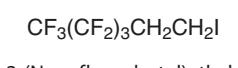
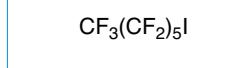
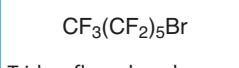
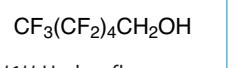
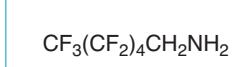
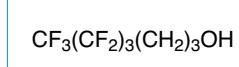
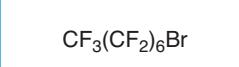
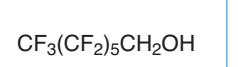
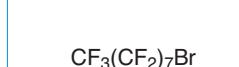
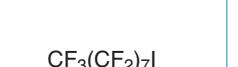
Building Blocks for Organic Semiconductor

C0233 25mL 500mL <chem>CCCCCCCCCl</chem> 1-Chlorononane CAS RN: 2473-01-0	I0493 25g <chem>CH3(CH2)8I</chem> 1-Iodononane (stabilized with Copper chip) CAS RN: 4282-42-2	N0292 25mL 500mL <chem>CCCCCCCCCOH</chem> 1-Nonanol CAS RN: 143-08-8	N0297 5mL 25mL <chem>CCCCCCCCN</chem> Nonylamine CAS RN: 112-20-9	P0952 25mL 100mL 500mL <chem>CCCCCCCCC(=O)O</chem> Nonanoic Acid CAS RN: 112-05-0
C10 Alkyl Groups	B0583 25mL 500mL <chem>CCCCCCCCBr</chem> 1-Bromodecane CAS RN: 112-29-8	C0600 25mL 500mL <chem>CCCCCCCCCl</chem> 1-Chlorodecane CAS RN: 1002-69-3	D0016 25mL 100mL 500mL <chem>CCCCCCCCSH</chem> 1-Decanethiol CAS RN: 143-10-2	D0017 25g 400g <chem>CCCCCCCCC(=O)O</chem> Decanoic Acid CAS RN: 334-48-5
D0031 25mL 500mL <chem>CCCCCCCCCOH</chem> 1-Decanol CAS RN: 112-30-1	D0033 25mL 100mL 500mL <chem>CCCCCCCCN</chem> 1-Aminodecane CAS RN: 2016-57-1	I0494 25g 250g <chem>CH3(CH2)9I</chem> 1-Iododecane (stabilized with Copper chip) CAS RN: 2050-77-3	C11 Alkyl Groups	A0761 10mL <chem>CCCCCCCCN</chem> Undecylamine CAS RN: 7307-55-3
B0934 25mL 500mL <chem>CCCCCCCCBr</chem> 1-Bromoundecane CAS RN: 693-67-4	C0599 25g <chem>CH3CCCCCCCCCl</chem> 1-Chloroundecane CAS RN: 2473-03-2	U0004 25g 250g <chem>CH3CCCCCCCCC(=O)O</chem> Undecanoic Acid CAS RN: 112-37-8	U0005 25mL 100mL 500mL <chem>CH3CCCCCCCCCOH</chem> 1-Undecanol CAS RN: 112-42-5	U0066 5mL <chem>CH3CCCCCCCCSH</chem> 1-Undecanethiol CAS RN: 5332-52-5
C12 Alkyl Groups	B0587 25mL 500mL <chem>CH3(CH2)11Br</chem> 1-Bromododecane CAS RN: 143-15-7	C0163 25mL 500mL <chem>CH3CCCCCCCCCl</chem> 1-Chlorododecane CAS RN: 112-52-7	D0970 25mL 500mL <chem>CH3(CH2)11SH</chem> 1-Dodecanethiol CAS RN: 112-55-0	D0978 25g 400g <chem>CH3CCCCCCCCCOH</chem> 1-Dodecanol CAS RN: 112-53-8
D0980 25g 400g <chem>CH3(CH2)11NH2</chem> Dodecylamine CAS RN: 124-22-1	D1452 25g 100g 500g <chem>CH3(CH2)11NH2 · HCl</chem> Dodecylamine Hydrochloride CAS RN: 929-73-7	I0511 25g <chem>CH3(CH2)11I</chem> 1-Iodododecane (stabilized with Copper chip) CAS RN: 4292-19-7	L0011 25g 500g <chem>CH3(CH2)10-C(=O)OH</chem> Lauric Acid CAS RN: 143-07-7	C13 Alkyl Groups
A0762 10g 25g <chem>CH3(CH2)12NH2</chem> 1-Aminotridecane CAS RN: 2869-34-3	B0935 5mL 25mL <chem>CH3(CH2)12Br</chem> 1-Bromotridecane CAS RN: 765-09-3	C2213 5g 25g <chem>CH3(CH2)12Cl</chem> 1-Chlorotridecane CAS RN: 822-13-9	T0412 25g 100g 500g <chem>CH3(CH2)11-C(=O)OH</chem> Tridecanoic Acid CAS RN: 638-53-9	T0803 25g <chem>CH3(CH2)12OH</chem> 1-Tridecanol CAS RN: 112-70-9
C14 Alkyl Groups	B0233 25mL 500mL <chem>CH3(CH2)13Br</chem> 1-Bromotetradecane CAS RN: 112-71-0	C0622 25mL 500mL <chem>CH3(CH2)13Cl</chem> 1-Chlorotetradecane CAS RN: 2425-54-9	M0476 25g 500g <chem>CH3(CH2)12-C(=O)OH</chem> Myristic Acid CAS RN: 544-63-8	T0082 25mL <chem>CH3(CH2)13SH</chem> 1-Tetradecanethiol CAS RN: 2079-95-0

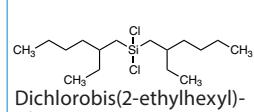
T0084 25mL 500mL CH ₃ (CH ₂) ₁₃ OH 1-Tetradecanol CAS RN: 112-72-1	T0090 25g 400g CH ₃ (CH ₂) ₁₃ NH ₂ Tetradecylamine CAS RN: 2016-42-4	C15 Alkyl Groups		A0763 5g 10g CH ₃ (CH ₂) ₁₄ NH ₂ 1-Aminopentadecane CAS RN: 2570-26-5	B0936 25mL 250mL CH ₃ (CH ₂) ₁₄ Br 1-Bromopentadecane CAS RN: 629-72-1
P0035 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{13}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Pentadecanoic Acid CAS RN: 1002-84-2	P0036 25g 100g 500g CH ₃ (CH ₂) ₁₄ OH 1-Pentadecanol CAS RN: 629-76-5	P0836 10mL CH ₃ (CH ₂) ₁₄ SH 1-Pentadecanethiol CAS RN: 25276-70-4	P1251 250g CH ₃ (CH ₂) ₁₄ MgBr Pentadecylmagnesium Bromide (ca. 15% in Tetrahydrofuran, ca. 0.4mol/L) CAS RN: 78887-70-4	C16 Alkyl Groups	
B0599 25g 100g 500g CH ₃ (CH ₂) ₁₅ Br Cetyl Bromide CAS RN: 112-82-3	C0183 25mL 500mL CH ₃ (CH ₂) ₁₅ Cl 1-Chlorohexadecane CAS RN: 4860-03-1	H0068 25mL 100mL 500mL CH ₃ (CH ₂) ₁₅ SH 1-Cetanethiol CAS RN: 2917-26-2	H0071 25g 500g CH ₃ (CH ₂) ₁₅ OH Cetanol CAS RN: 36653-82-4	H0074 25g 500g CH ₃ (CH ₂) ₁₅ NH ₂ Cetylamine CAS RN: 143-27-1	
I0408 25g CH ₃ (CH ₂) ₁₅ I 1-Iodohexadecane CAS RN: 544-77-4	P0002 25g 500g $\text{CH}_3(\text{CH}_2)_{14}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Palmitic Acid CAS RN: 57-10-3	P1145 5g $\text{CH}_3(\text{CH}_2)_{14}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Palmitic Acid CAS RN: 57-10-3	C17 Alkyl Groups		A0764 10g CH ₃ (CH ₂) ₁₆ NH ₂ Heptadecylamine CAS RN: 4200-95-7
B0937 5g 25g CH ₃ (CH ₂) ₁₆ Br Heptadecyl Bromide CAS RN: 3508-00-7	H0018 5g 25g CH ₃ (CH ₂) ₁₆ OH 1-Heptadecanol CAS RN: 1454-85-9	H0019 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{15}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Margaric Acid CAS RN: 506-12-7	C18 Alkyl Groups		B0625 25g 500g CH ₃ (CH ₂) ₁₇ Br Stearyl Bromide CAS RN: 112-89-0
C0235 25mL 500mL CH ₃ (CH ₂) ₁₇ Cl 1-Chlorooctadecane CAS RN: 3386-33-2	I0065 25g 100g 500g CH ₃ (CH ₂) ₁₇ I 1-Iodooctadecane CAS RN: 629-93-6	O0005 25g 400g CH ₃ (CH ₂) ₁₇ SH Stearyl Mercaptan CAS RN: 2885-00-9	O0006 25g 500g CH ₃ (CH ₂) ₁₇ OH Stearyl Alcohol CAS RN: 112-92-5	O0014 25g 500g CH ₃ (CH ₂) ₁₇ NH ₂ Stearylamine CAS RN: 124-30-1	
O0099 25g CH ₃ (CH ₂) ₁₇ NH ₂ · HCl Stearylamine Hydrochloride CAS RN: 1838-08-0	S0163 5g 25g 500g $\text{CH}_3(\text{CH}_2)_{16}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Stearic Acid CAS RN: 57-11-4	≥C19 Alkyl Groups		B0391 25g CH ₃ (CH ₂) ₁₉ Br 1-Bromoeicosane CAS RN: 4276-49-7	B0392 25g 250g CH ₃ (CH ₂) ₂₁ Br 1-Bromodocosane CAS RN: 6938-66-5
B1747 5g $\text{CH}_3(\text{CH}_2)_{20}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Behenic Acid CAS RN: 112-85-6	C0829 1g 10g $\text{CH}_3(\text{CH}_2)_{24}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Cerotic Acid CAS RN: 506-46-7	D0963 25g 500g $\text{CH}_3(\text{CH}_2)_{20}-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{OH}$ Behenic Acid CAS RN: 112-85-6	D0964 25g 500g CH ₃ (CH ₂) ₂₁ OH 1-Docosanol CAS RN: 661-19-8	D3905 5g CH ₃ (CH ₂) ₂₁ SH 1-Docosanethiol CAS RN: 7773-83-3	

Building Blocks for Organic Semiconductor

E0004 25g 100g 500g CH ₃ (CH ₂) ₁₉ OH 1-Eicosanol CAS RN: 629-96-9	E0006 1g 25g CH ₃ (CH ₂) ₁₈ -C(=O)-OH Arachidic Acid CAS RN: 506-30-9	E0832 5g CH ₃ (CH ₂) ₁₉ SH 1-Eicosanethiol CAS RN: 13373-97-2	H0010 1g 10g CH ₃ (CH ₂) ₁₉ -C(=O)-OH Heneicosanoic Acid CAS RN: 2363-71-5	H0011 10g CH ₃ (CH ₂) ₂₀ OH 1-Heneicosanol CAS RN: 15594-90-8
H0342 100mg 1g CH ₃ (CH ₂) ₂₅ OH 1-Hexacosanol CAS RN: 506-52-5	H0971 100mg 1g 5g CH ₃ (CH ₂) ₂₅ -C(=O)-OH Heptacosanoic Acid CAS RN: 7138-40-1	M0595 100mg 1g 5g CH ₃ (CH ₂) ₂₈ -C(=O)-OH Melissic Acid CAS RN: 506-50-3	M1342 100mg CH ₃ (CH ₂) ₂₆ -C(=O)-OH Octacosanoic Acid CAS RN: 506-48-9	N0662 1g 5g CH ₃ (CH ₂) ₂₇ -C(=O)-OH Nonacosanoic Acid CAS RN: 4250-38-8
O0199 100mg 1g CH ₃ (CH ₂) ₂₇ OH 1-Octacosanol CAS RN: 557-61-9	P0882 1g 5g CH ₃ (CH ₂) ₂₃ -C(=O)-OH Pentacosanoic Acid CAS RN: 506-38-7	T0076 1g 5g 25g CH ₃ (CH ₂) ₂₂ -C(=O)-OH Lignoceric Acid CAS RN: 557-59-5	T0402 1g 10g CH ₃ (CH ₂) ₂₁ -C(=O)-OH Tricosanoic Acid CAS RN: 2433-96-7	T0403 100mg CH ₃ (CH ₂) ₂₂ OH 1-Tricosanol CAS RN: 3133-01-5
Branched Alkyl Sources	C8 Alkyl Groups	B0596 25mL 100mL 500mL  Octyl Bromide CAS RN: 18908-66-2	B5808 250mL 500mL  (R)-3-(Bromomethyl)-heptane CAS RN: 1379440-97-7	E0120 25mL 500mL  Octanoic Acid CAS RN: 149-57-5
E0122 25mL 500mL  Octanol CAS RN: 104-76-7	E0126 25mL 100mL 500mL  Octylamine CAS RN: 104-75-6	E0127 25g  Octylamine Hydrobromide CAS RN: 88358-65-0	E0128 25g  Octylamine Hydrochloride CAS RN: 26392-49-4	E0131 25g 100g  2-Ethyl-1-hexanethiol CAS RN: 7341-17-5
C10 Alkyl Groups	B4401 5g 25g  1-Bromo-3,7-dimethyloctane CAS RN: 3383-83-3	D1442 25mL 500mL  3,7-Dimethyl-1-octanol CAS RN: 106-21-8	C11 Alkyl Groups	U0040 5g  6-Undecanol CAS RN: 23708-56-7
U0094 1mL 5mL  6-Undecanamine CAS RN: 33788-00-0	C12 Alkyl Groups	B3457 25mL 100mL 500mL  2-Butyl-1-n-octanol CAS RN: 3913-02-8	B5550 1mL 5mL  2-Butyl-n-octan-1-amine CAS RN: 217655-07-7	B5721 5g 25g  5-(Bromomethyl)-undecane CAS RN: 85531-02-8
C16 Alkyl Groups	B4544 5mL 25mL  7-(Bromomethyl)-pentadecane CAS RN: 52997-43-0	H0507 25mL 100mL 500mL  2-Hexyldecanoic Acid CAS RN: 25354-97-6	H1461 25mL 100mL 500mL  2-Hexyl-decanol CAS RN: 2425-77-6	H1634 1mL 5mL  2-Hexyldecan-1-amine CAS RN: 62281-05-4

C17 Alkyl Groups	B1456 1g  1-Bromo-2-methylhexadecane CAS RN: 81367-59-1	H1401 1g  9-Heptadecanol CAS RN: 624-08-8	H1640 1mL 5mL  Heptadecan-9-amine CAS RN: 3241-20-1	C20 Alkyl Groups
B5188 5mL 25mL  9-(Bromomethyl)-nonadecane CAS RN: 69620-20-8	B6206 1g 5g  Phytanyl Bromide CAS RN: 2791-57-3	O0429 25mL 500mL  2-n-Octyl-1-dodecanol CAS RN: 5333-42-6	O0435 1g  2-n-Octyl-1-dodecylamine CAS RN: 62281-06-5	P1750 1g 5g  3,7,11,15-Tetramethyl-hexadecan-1-ol CAS RN: 645-72-7
≥C23 Alkyl Groups	B5691 5mL 25mL  11-(Bromomethyl)-tricosane CAS RN: 732276-63-0	D5283 25mL 500mL  2-Decyl-1-tetradecanol CAS RN: 58670-89-6	D5322 25g 250g  2-Dodecylhexadecan-1-ol CAS RN: 72388-18-2	D5359 1mL 5mL  2-Decyltetradecan-1-amine CAS RN: 62281-07-6
H0837 1g  2-Hexadecyloctadecanoic Acid CAS RN: 89547-15-9	Fluorinated Alkyl Sources	C4 Alkyl Groups	H0548 5g 25g  CF ₃ CF ₂ CF ₂ CH ₂ OH 1H,1H-Heptafluoro-1-butanol CAS RN: 375-01-9	H1300 1g 5g  CF ₃ CF ₂ CF ₂ CH ₂ NH ₂ 1H,1H-Heptafluoro-butylamine CAS RN: 374-99-2
C5 Alkyl Groups	N0810 1g 5g 25g  (Perfluorobutyl)methanol CAS RN: 355-28-2	O0114 25g 100g 500g  CHF ₂ (CF ₂) ₃ CH ₂ OH 2,2,3,3,4,4,5,5-Octafluoro-1-pentanol CAS RN: 355-80-6	U0081 5g 25g  CF ₃ (CF ₂) ₄ I Undecafluoropentyl Iodide (stabilized with Copper chip) CAS RN: 638-79-9	C6 Alkyl Groups
N0600 5g 25g  2-(Perfluorobutyl)ethanol CAS RN: 2043-47-2	P1155 5g 25g  2-(Nonafluorobutyl)ethyl Iodide CAS RN: 2043-55-2	T1098 5g 25g  CF ₃ (CF ₂) ₅ I Tridecafluorohexyl Iodide CAS RN: 355-43-1	T2479 5g 25g  CF ₃ (CF ₂) ₅ Br Tridecafluorohexyl Bromide CAS RN: 335-56-8	U0074 5g  CF ₃ (CF ₂) ₄ CH ₂ OH 1H,1H-Undecafluoro-1-hexanol CAS RN: 423-46-1
U0083 1g 5g  1H,1H-Perfluorohexylamine CAS RN: 355-34-0	C7 Alkyl Groups	N1040 5g 25g 100g  CF ₃ (CF ₂) ₃ (CH ₂) ₃ OH 3-(Perfluorobutyl)propanol CAS RN: 83310-97-8	P1753 5g  CF ₃ (CF ₂) ₆ Br Perfluoroheptyl Bromide CAS RN: 375-88-2	T1701 5g 25g  CF ₃ (CF ₂) ₅ CH ₂ OH 1H,1H-Perfluoro-1-heptanol CAS RN: 375-82-6
T2482 1g 5g  1H,1H-Perfluoroheptyl Iodide CAS RN: 212563-43-4	C8 Alkyl Groups	H0946 5g 25g  CF ₃ (CF ₂) ₇ Br Perfluoro-n-octyl Bromide CAS RN: 423-55-2	P0904 5g 25g  CF ₃ (CF ₂) ₆ CH ₂ OH 1H,1H-Perfluoro-1-octanol CAS RN: 307-30-2	P1084 25g  CF ₃ (CF ₂) ₇ I Perfluoro-n-octyl Iodide CAS RN: 507-63-1

Building Blocks for Organic Semiconductor

T2074	5g 25g	T2528	5g 25g	C9 Alkyl Groups	H1232	5g	T3258	5g 25g	
<chem>CF3(CF2)5CH2CH2I</chem> 1H,1H,2H,2H-Perfluoro-n-octyl Iodide CAS RN: 2043-57-4		<chem>CF3(CF2)5CH2CH2OH</chem> 2-(Perfluorohexyl)ethanol CAS RN: 647-42-7			<chem>CF3(CF2)7CH2OH</chem> 1H,1H-Perfluoro-1-nananol CAS RN: 423-56-3		<chem>CF3(CF2)5(CH2)3OH</chem> 3-(Perfluorohexyl)propanol CAS RN: 80806-68-4		
C10 Alkyl Groups		H0844	5g 25g	H0845	25g 250g	H1084	5g 25g	Dialkyl-dichlorosilanes	
			<chem>CF3(CF2)9I</chem> Perfluorodecyl Iodide CAS RN: 423-62-1	<chem>CF3(CF2)7CH2CH2OH</chem> 2-(Perfluoro-n-octyl)ethanol CAS RN: 678-39-7		<chem>CF3(CF2)7CH2CH2I</chem> 1H,1H,2H,2H-Perfluorodecyl Iodide CAS RN: 2043-53-0			
D2704	5g 25g	D2710	5g	D2712	5g 25g	D4336	1g	D4443	1g 5g
<chem>CH3(CH2)3-Si(Cl)(Cl)-(CH2)3CH3</chem> Dibutyldichlorosilane CAS RN: 3449-28-3		<chem>CH3(CH2)4-Si(Cl)(Cl)-(CH2)4CH3</chem> Dichlorodipentylsilane CAS RN: 18037-39-3		<chem>CH3(CH2)5-Si(Cl)(Cl)-(CH2)5CH3</chem> Dichlorodihexylsilane CAS RN: 18204-93-8		<chem>CH3(CH2)7-Si(Cl)(Cl)-(CH2)7CH3</chem> Dichlorodi-n-octylsilane CAS RN: 18416-07-4		 Dichlorobis(2-ethylhexyl)-silane CAS RN: 1089687-03-5	

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