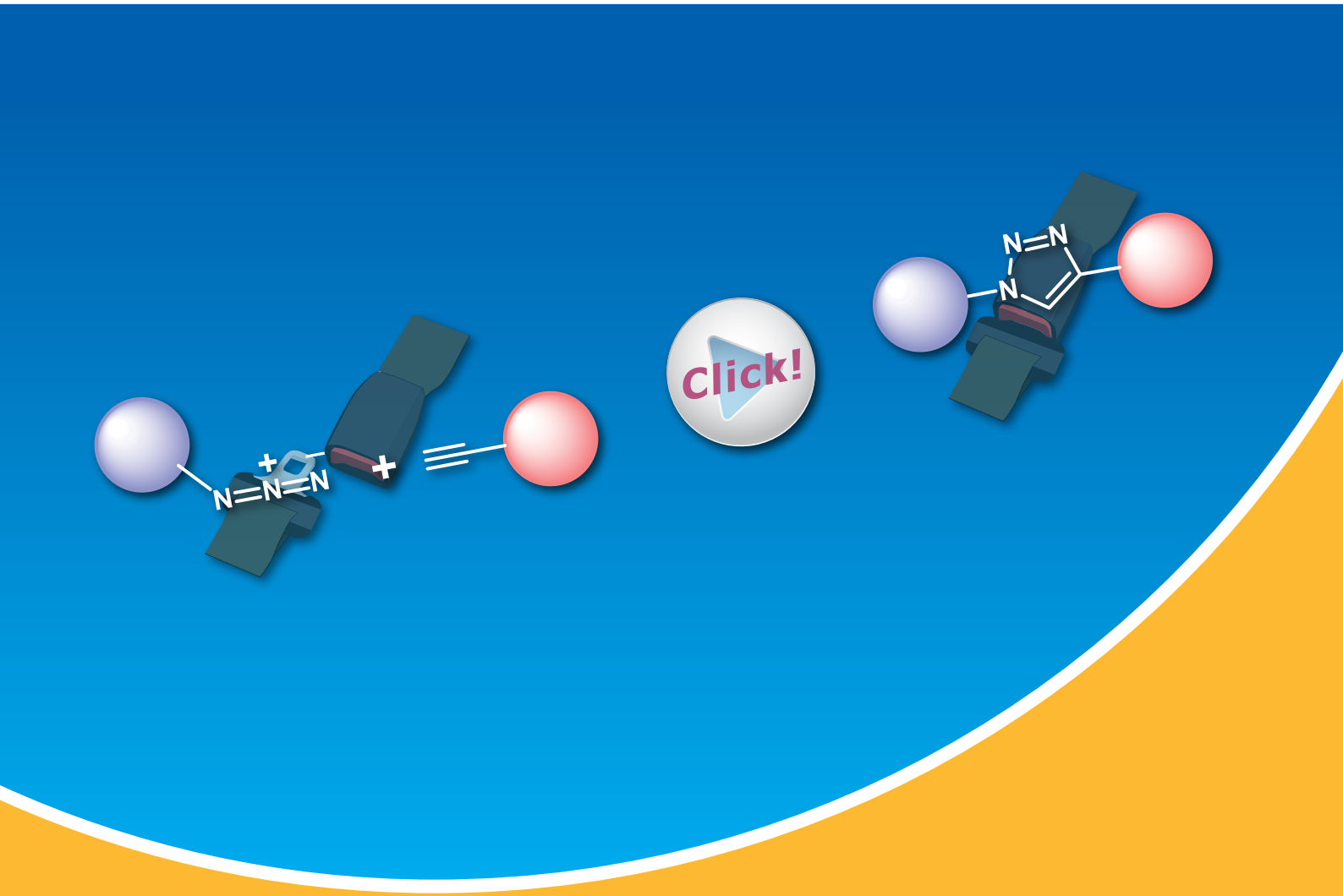
CHEMISTRY LIFE SCIENCE

Click Chemistry

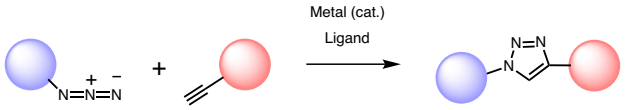


Click Chemistry

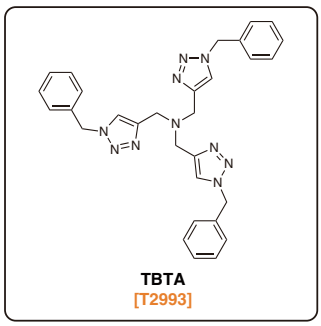
"Click Chemistry" is a term which was first described by K. B. Sharpless in 2001 to describe reactions that afford products in high yields and in excellent selectivities by carbon-hetero bond formation reactions. The term "Click" means joining molecular pieces as easily as clicking together the two pieces of a seat belt buckle. In general, the definition of click chemistry is described as follows:

1. **give very high chemical yields of desired products**
2. **combination of readily available simple building blocks**
3. **generate almost no byproducts**
4. **simple product isolation by non-chromatographic methods**
5. **reaction proceeds in water, as well as in organic solvents**

While there are a number of reactions that fulfill this criteria, the Hüisgen 1,3-dipolar [3 + 2] cycloaddition[1] of azides and alkynes has emerged as the frontrunner. In general, the 1,2,3-triazole ring is not almost oxidized or reduced, which makes it possible to strongly connect two substrates.



In the Hüisgen reaction, metal catalysts, such as copper sulfate, are generally required for reaction acceleration. In especial, it has been reported that the combination of tris[(1-benzyl-1*H*-1,2,3-triazol-4-yl)methyl]amine (TBTA) **[T2993]** and catalysts shows excellent reactivity.[2]

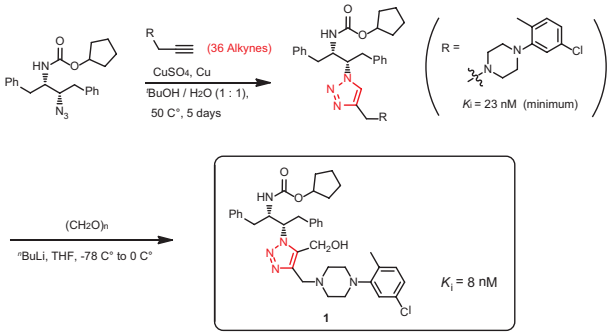


This reaction system affords desired products in almost 100% yield with no need of repurification, such as recrystallization or column chromatography. Thus, this methodology is an eco-friendly reaction. Moreover, the combination of various alkynes and azides allows it to rapidly construct large compound libraries, and 1,2,3-triazole itself exhibits various kinds of biological activities, such as anti-allergenic or anti-bacterial activities. In addition, the reaction proceeds even in water, and thus, click chemistry has been widely used in many research fields as below.

Research of Various Pharmaceutical Lead Candidates

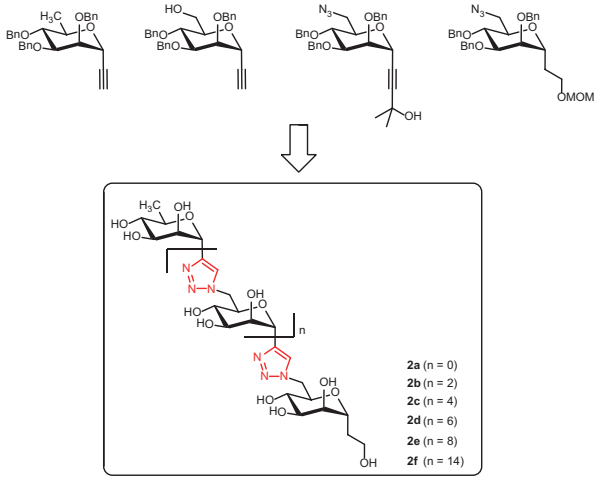
a) Application of Anti-HIV Agent Discovery [3]

Whiting and Sharpless *et al.* have reported the synthesis of a series of 1,4-disubstituted-1,2,3-triazoles as potential candidates for HIV protease inhibitors in a combination of azide-containing fragments with a diverse array of functionalized alkyne-containing building blocks by using click chemistry. After further optimization, it was revealed that **1** has the highest activity, exhibiting 8 nM of K_i value.



b) Research of Mycobacterium Tuberculosis Cell Wall Synthetase[4]

Dondoni *et al.* have reported the synthesis of a set of *C*-oligomannosides (**2a-f**) through click chemistry using a 1,2,3-triazole ring as the interglycosidic linker. The compounds **2a-f** inhibit mannosyltransferases, which are involved in the biosynthesis of the cell envelope of *Mycobacterium tuberculosis* cell wall synthase. Among them, the hexamer (n = 4) **2c** and octamer (n = 6) **2f** show the highest activities IC_{50} = 0.14 and 0.22 mM, respectively.



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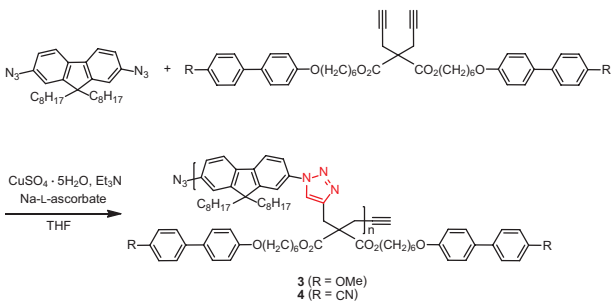
● Synthesis of Functional Materials

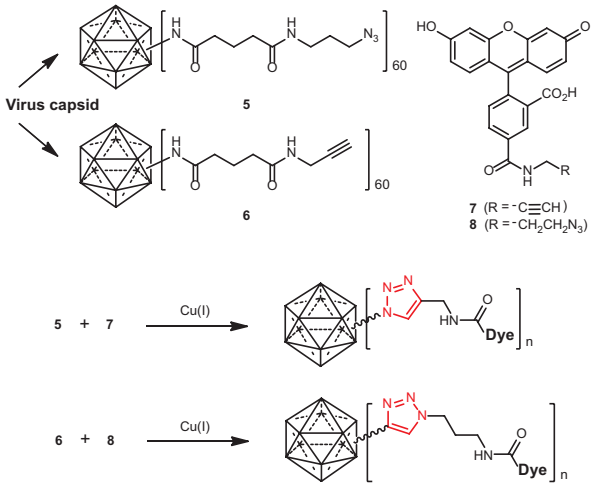
Click chemistry has been also successfully applied into polymer synthesis or material science. For example, Kang and Jin *et al*. have reported the synthesis of side-chain liquid-crystal polymers **3** and **4** by using click chemistry. According to their results, the dye-sensitized solar-cell fabricated from **3** gives a power-conversion efficiency of 4.11%.[5)]



● Bioscience

Bioconjugation (example: surface modification of virus)[6)]

In general, viruses are made up of a number of protein subunits, and capsids, which enclose DNA or RNA, are formed as protein shells. In particular, in the case of spherical viruses, the capsids have an icosahedral symmetry form with sixty protein subunits. Finn and Sharpless *et al.* have reported the modification of the exterior surface of a spherical virus, *cowpea mosaic virus* by azides or alkynes, followed by the labeling of these species using fluorescein dye-azide or alkyne by click chemistry.

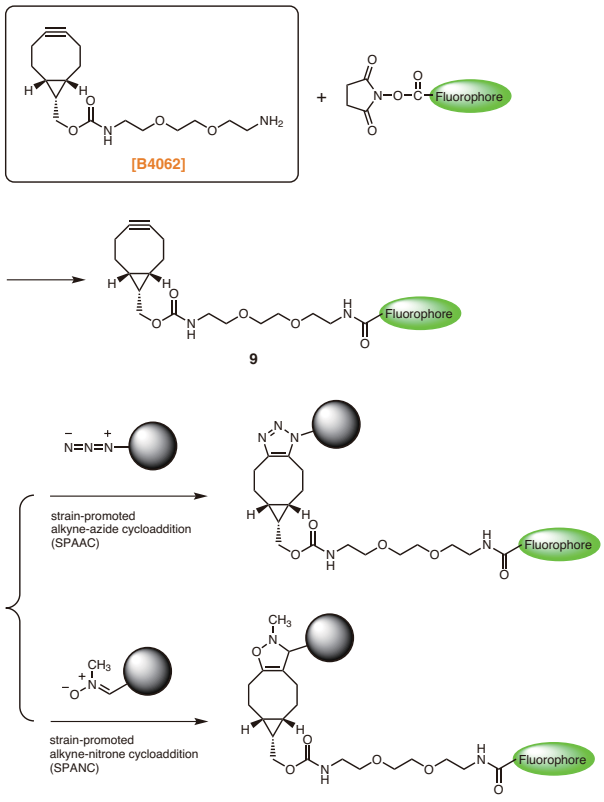


Thus, click chemistry has been widely used as a methodology of synthesizing novel molecules in a number of research fields. Other than these applications, click chemistry also has been applied in various fields, such as the synthesis of dendrimers,[7)] dendrons,[8)] calyxarenes,[9)] rotaxanes,[10)] catenanes,[11)] the development of chemical sensors,[12)] and the labeling of DNA.[13)]

● Copper-free Click Reaction

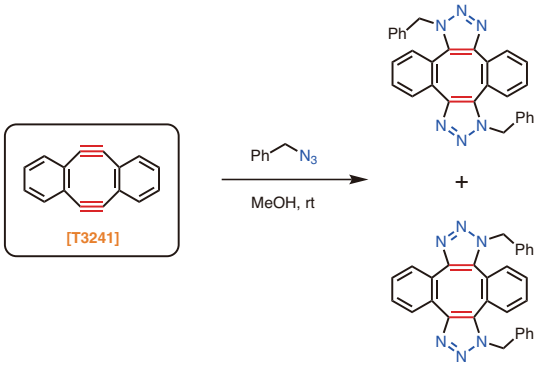
As described above, click chemistry also has been used for imaging labeling and tracking labeling of biomolecules. However, the reaction is not suitable for labeling of living systems because it needs a highly-concentrated copper(I) species, thus, bioorthogonal reactions such as metal-free click chemistry also have been developed.

N-(1*R*,8*S*,9s)-bicyclo[6.1.0]non-4-yn-9-ylmethyloxycarbonyl-1,8-diamino-3,6-dioxaoctane (BCN-amine) **[B4062]** is a linker having a strained structure with cyclooctyne, and it is used for the copper-free click reaction to azides. For example, **B4062** bonded to a fluorophore (**9**) has resulted in labeling of an azidohomoalanine-containing virus capsid protein without copper(I) species.[14)] In addition, **B4062** can be applied to not only strain-promoted alkyne-azide cycloaddition (SPAAC)[15)] but also strain-promoted alkyne-nitrone cycloaddition (SPANC).[16)]



Additionally, Hosoya *et al.* have reported the "double-click reaction" applying 5,6,11,12-tetradehydrodibenzo[*a,e*]cyclooctene **[T3241]**[17)] in click chemistry. The high reactivity of the two alkyne moieties allows the reaction to proceed smoothly without using metal catalysts, such as a copper salt.[18)]

Metal-Free Double-click Rection



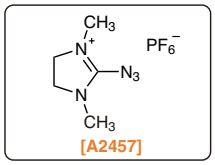
Chiba *et al.* have reported a new click reaction using *N*-succinimidyl 4-(azidosulfonyl)benzoate **[S0973]** and *N*-(1-Thioxoethyl)glycine **[T3312]**. [24] This reaction needs no metal ion species, and the sulfonyl azide group of **S0973** and thioamide group of **T3312** reacts to form the sulfoamidine moiety. Furthermore, the reaction proceeds at room temperature in water and is applicable to the biorthogonal click reaction.

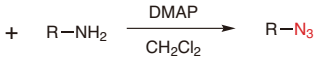
TCI offers a variety of azide and terminal acetylene compounds readily available in the field of click chemistry as below. In addition, azidation and ethynylation reagents are also listed in this brochure.

● Azidation Reagent

Organic azide compounds can be synthesized in a simple manner by the reaction of sodium azide with halogenated alkyl compounds, or the reaction with trifluoromethanesulfonyl azide and primary amines, however, these azide sources potentially have highly explosive character, which makes it difficult to handle. 2-Azido-1,3-dimethylimidazolinium hexafluorophosphate **[A2457]**, which was developed by Kitamura *et al.,* is a crystalline diazotransfer reagent having high thermal stability and low explosibility. The differential scanning calorimetry (DSC) experiment of **A2457** has revealed that the exothermic decomposition temperature was approximately 200 °C. Moreover, **A2457** has tested negative for the impact and friction-sensitivity tests.[19]

Under basic conditions, **A2457** reacts with several kinds of primary amines in a short time to afford the corresponding diazo compounds in high yields.[20] In these reactions, the by-products can be removed by conventional extraction procedures due to their high solubility in water.



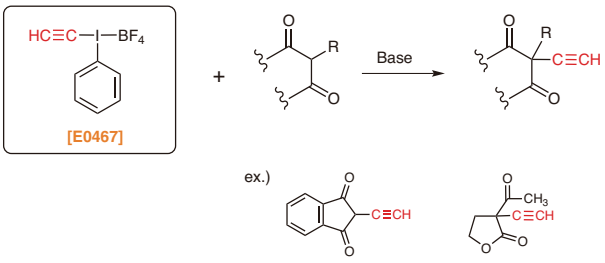


Entry	R	A2457 (eq.)	DMAP (eq.)	Temp.	Time (h)	Yield (%)
1	Ph	1.15	1.1	rt	2.5	87
2	4-MeC_6H_4	1.15	1.1	rt	1.5	94
3	4-AcC_6H_4	1.15	3	50 °C	5	83
4	4-$O_2NC_6H_4$	2	3	50 °C	4	61
5	1-naphthyl	1.3	1.1	50 °C	1.5	92
6	$PhCH_2CH_2$	1.15	5[a]	rt	0.25	74
7	1-adamantyl	1.15	1.1	rt	0.33	71

[a] Et_3N is used instead of DMAP.

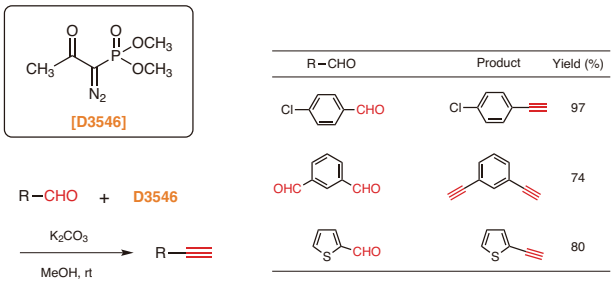
● Ethynylation Reagents

A number of ethynylation reagents have been developed for the synthesis of terminal acetylenes. For example, ethynyl(phenyl) iodonium tetrafluoroborate **[E0467]** is an electrophilic ethynylation reagent developed by Ochiai *et al.,* which reacts with active methylene compounds to afford the corresponding a-ethynylated products in high yields under mild conditions. As for other existing electrophilic ethynylation reagents, ethyl lead triacetate has been exploited, which is prepared from ethynyl(trimethyl)stannane and lead tetraacetate. However, preparation of this reagent requires the use of heavy metal compounds, which make it an unattractive procedure. The ethynylation procedure using this reagent requires careful control of the reaction conditions. The ethynylation method using **E0467** has been at the center of attention in many fields, as this method does not use highly toxic heavy metal compounds, and the reaction proceeds under mild conditions.



Additionally, dimethyl (1-diazo-2-oxopropyl)phosphonate **[D3546]** is a reagent for the synthesis of terminal alkynes, which was developed by Ohira and Bestmann *et al.*[21,22] **D3546** reacts with aldehydes in the presence of potassium carbonate and methanol to give the one homologated terminal alkynes in high yields. **D3546** is widely known as the “Ohira-Bestmann reagent” after its discoverers and the reaction proceeds in mild conditions without using strong bases.

(Application 1)[22]



(Application 2)[23]

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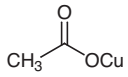
Metal Catalysts, Ligands

A1540 5g 25g



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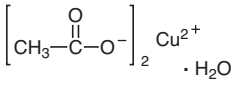

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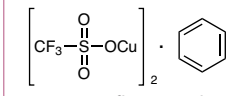

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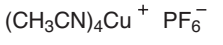

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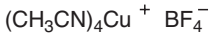

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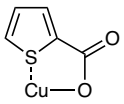
C2312 1g 5g



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Copper(I) Cyanide
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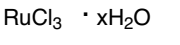

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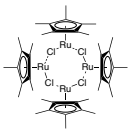

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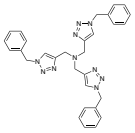

Tris[(1-benzyl-1*H*-1,2,3-triazol-4-yl)methyl]amine (TBTA)
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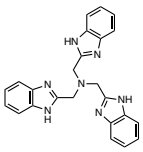
T3170 200mg 1g



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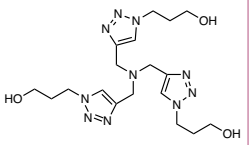

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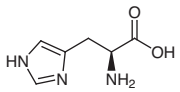

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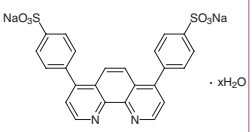

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Azides

Organic Azides

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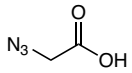

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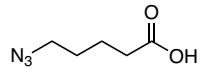

5-Azidovaleric Acid
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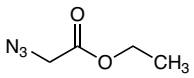
E1255 5g 25g



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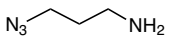
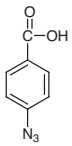


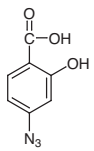
3-Azidopropylamine
CAS RN: 88192-19-2

A0930 5g 25g



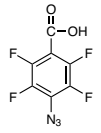
4-Azidobenzoic Acid
CAS RN: 6427-66-3

A2290 100mg 1g



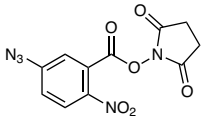
4-Azidosalicylic Acid
CAS RN: 66761-27-1

A2674 1g



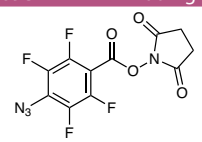
4-Azido-2,3,5,6-tetrafluorobenzoic Acid
CAS RN: 122590-77-6

S0860 10mg



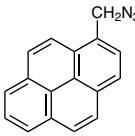
N-Succinimidyl 5-Azido-2-nitrobenzoate
CAS RN: 60117-35-3

S0952 200mg 1g



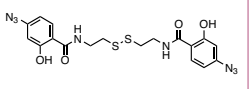
N-Succinimidyl 4-Azido-2,3,5,6-tetrafluorobenzoate
CAS RN: 126695-58-7

A2791 200mg 1g



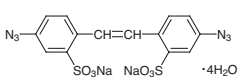
1-(Azidomethyl)pyrene
CAS RN: 1006061-57-9

B3790 10mg



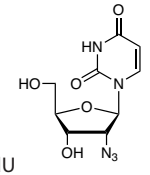
Bis[2-(4-azidosalicylamido)ethyl] Disulfide
CAS RN: 199804-21-2

D1606 25g



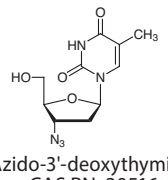
Disodium 4,4'-Diazidostilbene-2,2'-disulfonate Tetrahydrate
CAS RN: 2718-90-3

A2942 25mg 100mg



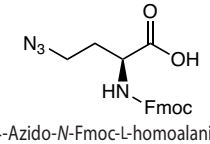
N_3-dU
CAS RN: 26929-65-7

A2052 1g 5g



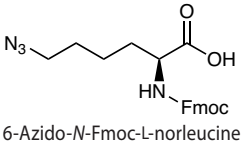
3'-Azido-3'-deoxythymidine
CAS RN: 30516-87-1

A3020 250mg



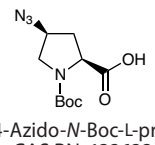
4-Azido-*N*-Fmoc-L-homoalanine
CAS RN: 942518-20-9

A3023 250mg



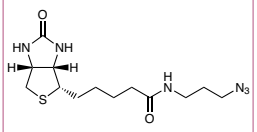
6-Azido-*N*-Fmoc-L-norleucine
CAS RN: 159610-89-6

A3129 50mg 200mg



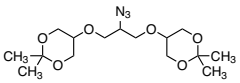
cis-4-Azido-*N*-Boc-L-proline
CAS RN: 132622-65-2

A2524 100mg



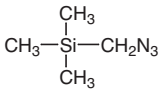
N-(3-Azidopropyl)biotinamide
CAS RN: 908007-17-0

A2474 100mg



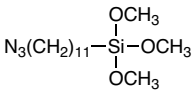
2-Azido-1,3-bis[(2,2-dimethyl-1,3-dioxan-5-yl)oxy]propane
CAS RN: 1392500-07-0

T1184 1g 5g



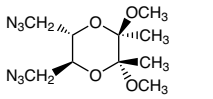
Trimethylsilylmethyl Azide
CAS RN: 87576-94-1

A2783 100mg



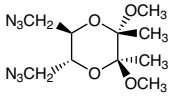
(11-Azidoundecyl)-trimethoxysilane
CAS RN: 334521-23-2

B3693 100mg



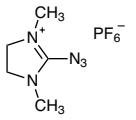
(2*R*,3*R*,5*S*,6*S*)-5,6-Bis(azidomethyl)-2,3-dimethoxy-2,3-dimethyl-1,4-dioxane
CAS RN: 832117-79-0

B3694 100mg



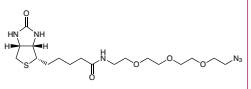
(2*S*,3*S*,5*R*,6*R*)-5,6-Bis(azidomethyl)-2,3-dimethoxy-2,3-dimethyl-1,4-dioxane
CAS RN: 1585236-34-5

A2457 5g 25g 250g



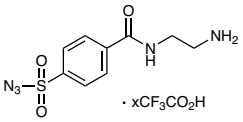
2-Azido-1,3-dimethylimidazolinium Hexafluorophosphate
CAS RN: 1266134-54-6

A2523 100mg



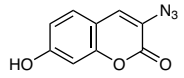
Biotin-PEG$_3$-Azide
CAS RN: 875770-34-6

A2914 200mg



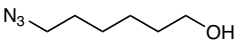
N-[4-(Azidosulfonyl)-benzoyl]ethylenediamine Trifluoroacetate

A3306 50mg 250mg 1g



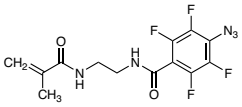
3-Azido-7-hydroxycoumarin
CAS RN: 817638-68-9

A3365 250mg



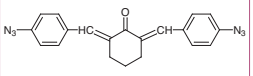
6-Azidohexan-1-ol
CAS RN: 146292-90-2

A3432 1g



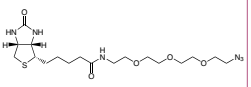
4-Azido-2,3,5,6-tetrafluoro-*N*-(2-methacrylamidoethyl)-benzamide
CAS RN: 2361935-10-4

B1110 5g 25g



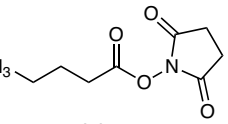
2,6-Di(4-azidobenzal)-cyclohexanone
(wetted with *ca.* 30% Water)
CAS RN: 20237-98-3

B6265 1set



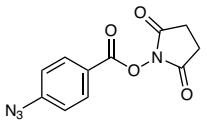
Biotin-PEG3-Azide (2mg×5)
CAS RN: 875770-34-6

D5873 100mg 500mg



Succinimidyl 4-Azidobutyrate
CAS RN: 943858-70-6

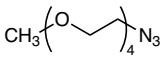
H1760 25mg 100mg



N-Succinimidyl 4-Azidobenzoate
CAS RN: 53053-08-0

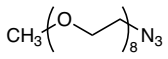
PEG Azides

A2728 25mg 100mg



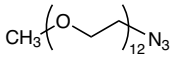
Methyl-PEG$_4$-Azide
CAS RN: 606130-90-9

A2727 25mg 100mg



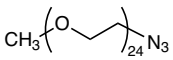
Methyl-PEG$_8$-Azide
CAS RN: 869718-80-9

M3049 25mg



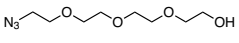
Methyl-PEG$_{12}$-Azide
CAS RN: 2170098-29-8

M3050 25mg 100mg



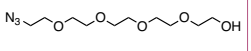
Methyl-PEG$_{24}$-Azide

A2294 100mg



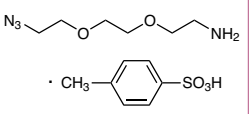
PEG$_4$-Azide
CAS RN: 86770-67-4

A2500 100mg



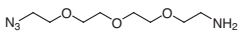
PEG$_5$-Azide
CAS RN: 86770-68-5

A3130 250mg 1g



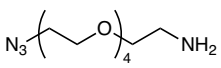
Azido-PEG$_2$-Amine·Tos-OH
CAS RN: 2173092-98-1

A2363 200mg 1g 5g



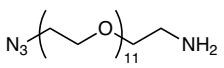
Amino-PEG$_3$-Azide
CAS RN: 134179-38-7

A3004 50mg 250mg



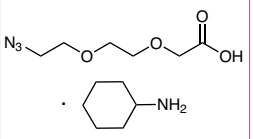
Amino-PEG$_3$-Azide
CAS RN: 951671-92-4

A3007 50mg 250mg



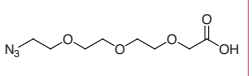
Amino-PEG$_{11}$-Azide
CAS RN: 1800414-71-4

A3224 100mg



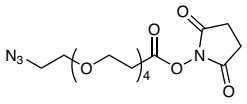
Azido-PEG$_2$-acetic Acid CHA Salt
CAS RN: 2098500-94-6

A2293 1g



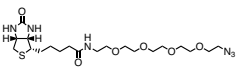
Azido-PEG$_3$-acetic Acid
CAS RN: 172531-37-2

A2388 25mg



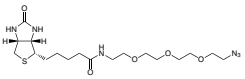
Azido-PEG$_4$-NHS Ester
CAS RN: 944251-24-5

B5546 100mg



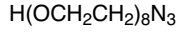
Biotin-PEG$_4$-Azide
CAS RN: 1309649-57-7

A2523 100mg



Biotin-PEG$_3$-Azide
CAS RN: 875770-34-6

A3006 100mg



PEG8-Azide
CAS RN: 352439-36-2

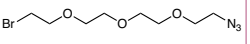
A3202 10mg

Azide-PEG3-Desthiobiotin
CAS RN: 1426828-06-9

A3260 100mg

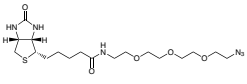
Azido-PEG4-C$_2$-carboxylic Acid
CAS RN: 1257063-35-6

B6081 250mg



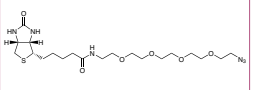
Bromo-PEG3-Azide
CAS RN: 1446282-43-4

B6265 1set



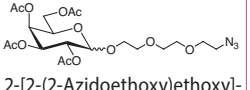
Biotin-PEG3-Azide (2mg×5)
CAS RN: 875770-34-6

B6266 1set



Biotin-PEG4-Azide (2mg×5)
CAS RN: 1309649-57-7

G0257 1g 5g

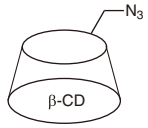


2-[2-(2-Azidoethoxy)ethoxy]-ethyl 2,3,4,6-Tetra-*O*-acetyl-D-galactopyranoside
CAS RN: 381716-33-2

Sugar Azides

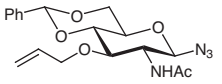
Please inquire for pricing and availability of listed products to our local sales representatives.

A3090 100mg



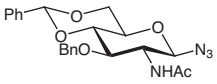
6A-Azido-6A-deoxy-β-cyclodextrin
CAS RN: 98169-85-8

A1812 1g



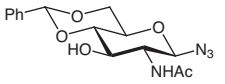
2-Acetamido-3-*O*-allyl-4,6-*O*-benzylidene-2-deoxy-β-D-glucopyranosyl Azide

A1813 1g



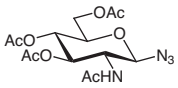
2-Acetamido-3-*O*-benzyl-4,6-*O*-benzylidene-2-deoxy-β-D-glucopyranosyl Azide
CAS RN: 80887-27-0

A1811 1g 5g



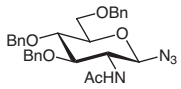
2-Acetamido-4,6-*O*-benzylidene-2-deoxy-β-D-glucopyranosyl Azide
CAS RN: 168397-51-1

A1616 1g 5g



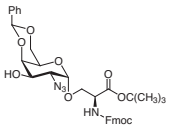
2-Acetamido-3,4,6-tri-*O*-acetyl-2-deoxy-β-D-glucopyranosyl Azide
CAS RN: 6205-69-2

A1678 1g 5g



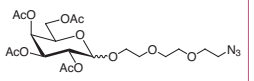
2-Acetamido-3,4,6-tri-*O*-benzyl-2-deoxy-β-D-glucopyranosyl Azide
CAS RN: 214467-60-4

A1833 100mg



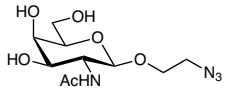
O-(2-Azido-4,6-*O*-benzylidene-2-deoxy-α-D-galactopyranosyl)-*N*-[(9*H*-fluoren-9-ylmethoxy)-carbonyl]-L-serine *tert*-Butyl Ester
CAS RN: 878483-02-4

G0257 1g 5g



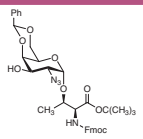
2-[2-(2-Azidoethoxy)ethoxy]-ethyl 2,3,4,6-Tetra-*O*-acetyl-D-galactopyranoside
CAS RN: 381716-33-2

A2627 Please contact us.



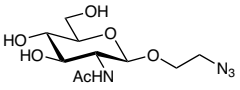
2-Azidoethyl 2-Acetamido-2-deoxy-β-D-galactopyranoside
CAS RN: 142072-15-9

A1832 100mg



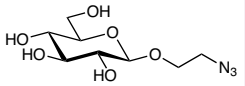
O-(2-Azido-4,6-*O*-benzylidene-2-deoxy-α-D-galactopyranosyl)-*N*-[(9*H*-fluoren-9-ylmethoxy)-carbonyl]-L-threonine *tert*-Butyl Ester
CAS RN: 195976-07-9

A2172 500mg



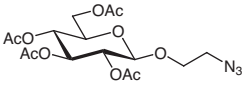
2-Azidoethyl 2-Acetamido-2-deoxy-β-D-glucopyranoside
CAS RN: 142072-12-6

A2267 1g



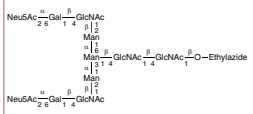
2-Azidoethyl β-D-Gluco-pyranoside
CAS RN: 165331-08-8

A2377 1g 5g



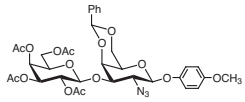
2-Azidoethyl 2,3,4,6-Tetra-*O*-acetyl-β-D-glucopyranoside
CAS RN: 140428-81-5

D4217 1mg



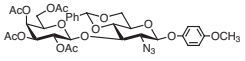
Disialylnonasaccharide β-Ethylazide
CAS RN: 1621001-68-0

G0330 1g 5g



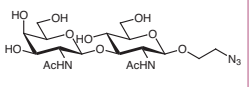
Gal[2346Ac]β(1-3) GalN$_3$[46Bzd]-β-MP

G0309 1g 5g



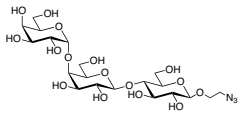
Gal[2346Ac]β(1-3) GlcN$_3$[46Bzd]-β-MP

G0373 1mg



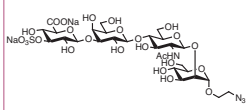
GalNAc β(1-3)GlcNAc β-Ethylazide

G0403 Please contact us.



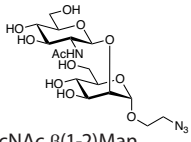
Gb$_3$-β-ethylazide
CAS RN: 2220267-41-2

G0372 Please contact us.



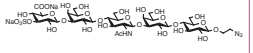
GlcA[3S]β(1-3)Gal β(1-4)GlcNAc β(1-2)Man α-Ethylazide

G0337 100mg



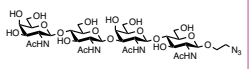
GlcNAc β(1-2)Man α-1-Ethylazide
CAS RN: 1858224-15-3

H1333 Please contact us.



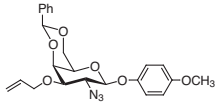
HNK-1 Ethylazide

L0237 Please contact us.



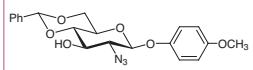
LacDiNAc Dimer Ethylazide

M1643 1g



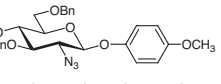
4-Methoxyphenyl 3-*O*-Allyl-2-azido-4,6-*O*-benzylidene-2-deoxy-β-D-galactopyranoside
CAS RN: 889453-83-2

M1637 1g 5g



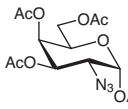
4-Methoxyphenyl 2-Azido-4,6-*O*-benzylidene-2-deoxy-β-D-glucopyranoside
CAS RN: 1430068-18-0

M1617 1g



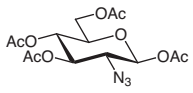
4-Methoxyphenyl 2-Azido-3,6-di-*O*-benzyl-2-deoxy-β-D-glucopyranoside
CAS RN: 1272755-25-5

T1731 100mg



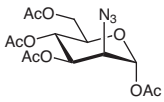
1,3,4,6-Tetra-*O*-acetyl-2-azido-2-deoxy-α-D-galactopyranose
CAS RN: 67817-30-5

T2196 200mg 1g



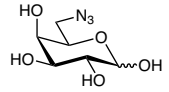
1,3,4,6-Tetra-*O*-acetyl-2-azido-2-deoxy-β-D-glucopyranose
CAS RN: 80321-89-7

T1733 100mg



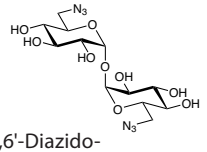
1,3,4,6-Tetra-*O*-acetyl-2-azido-2-deoxy-α-D-mannopyranose
CAS RN: 68733-20-0

A3167 Please contact us.



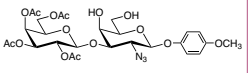
6-Azido-6-deoxy-D-galactopyranose
CAS RN: 66927-03-5

D5372 50mg



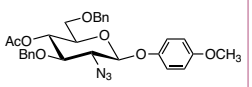
6,6'-Diazido-6,6'-dideoxytrehalose
CAS RN: 18933-88-5

G0329 Please contact us.



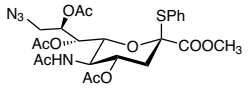
Gal[2346Ac]β(1-3)GalN$_3$-β-MP

M2051 Please contact us.



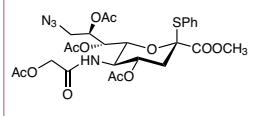
4-Methoxyphenyl 4-*O*-Acetyl-2-azido-3,6-di-*O*-benzyl-2-deoxy-β-D-glucopyranoside

M2695 100mg



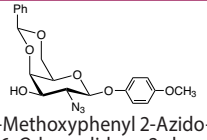
Neu5Ac[1Me,478Ac,9N$_3$]-β-SPh
CAS RN: 219814-65-0

M2696 100mg



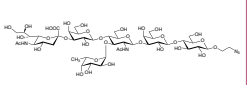
Neu5GcAc[1Me,478Ac,9N3]-β-SPh
CAS RN: 1195053-25-8

M2737 Please contact us.



4-Methoxyphenyl 2-Azido-4,6-*O*-benzylidene-2-deoxy-β-D-galactopyranoside
CAS RN: 1340541-47-0

S0922 Please contact us.

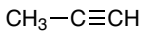


Sialyl Lewis X-Lactose Ethylazide

Terminal Alkynes

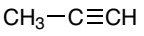
Aliphatic Hydrocarbons

P1881 200g



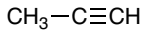
Propyne (*ca.* 3% in Heptane)
CAS RN: 74-99-7

P2152 100mL 500mL



Propyne (*ca.* 4% in *N,N*-Dimethylformamide, *ca.* 1.0mol/L)
CAS RN: 74-99-7

P2295 100mL 500mL

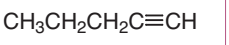


Propyne (*ca.* 5% in Tetrahydrofuran, *ca.* 1mol/L)
CAS RN: 74-99-7

C1984 5g 25g

Cyclopropylacetylene
CAS RN: 6746-94-7

P0068 5mL 25mL



1-Pentyne
CAS RN: 627-19-0

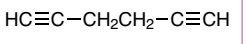
P1273 25g 250g

Propargyl Chloride
(70% in Toluene, *ca.* 9.2mol/L)
CAS RN: 624-65-7

P0810 5mL 25mL

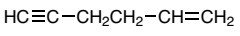
Propargyl Chloride
CAS RN: 624-65-7

H0485 1g 5g



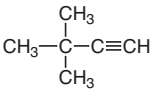
1,5-Hexadiyne
(stabilized with BHT)
CAS RN: 628-16-0

H1541 1g 5g



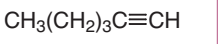
1-Hexen-5-yne
CAS RN: 14548-31-3

B1114 10mL 100mL



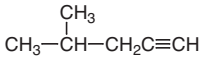
3,3-Dimethyl-1-butyne
CAS RN: 917-92-0

H0140 25mL 250mL



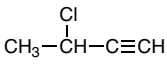
1-Hexyne
CAS RN: 693-02-7

M0269 1mL 5mL



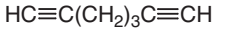
4-Methyl-1-pentyne
CAS RN: 7154-75-8

C1195 1g 5g



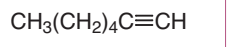
3-Chloro-1-butyne
CAS RN: 21020-24-6

H0483 1mL 5mL



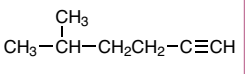
1,6-Heptadiyne
CAS RN: 2396-63-6

H0048 25mL



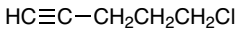
1-Heptyne
CAS RN: 628-71-7

M0271 5mL



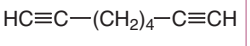
5-Methyl-1-hexyne
CAS RN: 2203-80-7

C1522 5mL 25mL



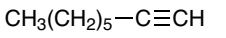
5-Chloro-1-pentyne
CAS RN: 14267-92-6

O0147 5mL 25mL



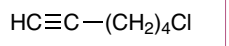
1,7-Octadiyne
CAS RN: 871-84-1

O0050 25mL 100mL



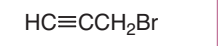
1-Octyne
CAS RN: 629-05-0

C1493 5mL 25mL



6-Chloro-1-hexyne
CAS RN: 10297-06-0

P1272 25g 100g 500g

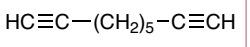


Propargyl Bromide
(80% in Toluene, *ca.* 9.2mol/L)
CAS RN: 106-96-7

P0484 25g 100g 500g

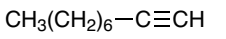
Propargyl Bromide
(stabilized with MgO)
CAS RN: 106-96-7

N0406 5mL



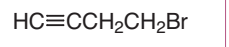
1,8-Nonadiyne
CAS RN: 2396-65-8

N0301 5mL



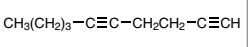
1-Nonyne
CAS RN: 3452-09-3

B3242 5g



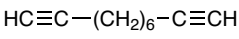
4-Bromo-1-butyne
CAS RN: 38771-21-0

D1724 1mL 5mL



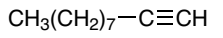
1,5-Decadiyne
CAS RN: 53963-03-4

D1326 5mL



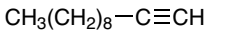
1,9-Decadiyne
CAS RN: 1720-38-3

D0037 5mL 25mL



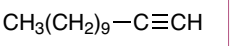
1-Decyne
CAS RN: 764-93-2

U0033 5mL



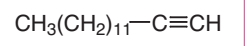
1-Undecyne
CAS RN: 2243-98-3

D0997 5mL 25mL



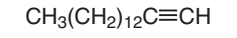
1-Dodecyne
CAS RN: 765-03-7

T0761 5mL 25mL



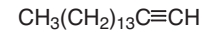
1-Tetradecyne
CAS RN: 765-10-6

P0356 5mL



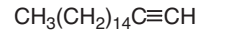
1-Pentadecyne
CAS RN: 765-13-9

H0433 5mL



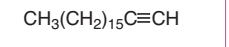
1-Hexadecyne
CAS RN: 629-74-3

H0440 1g



1-Heptadecyne
CAS RN: 26186-00-5

O0128 1mL 5mL



1-Octadecyne
CAS RN: 629-89-0

E1178 5mL

1-Ethynyl-1-cyclohexene
CAS RN: 931-49-7

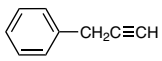
Aromatic Hydrocarbons

Please inquire for pricing and availability of listed products to our local sales representatives.

E0196 25mL 100mL 500mL

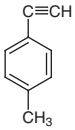
Ethynylbenzene
CAS RN: 536-74-3

P1956 1g 5g



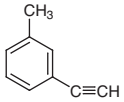
3-Phenyl-1-propyne
(stabilized with BHT)
CAS RN: 10147-11-2

E0655 5g 25g



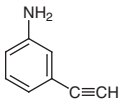
4-Ethynyltoluene
CAS RN: 766-97-2

E0665 1g 5g 25g



3-Ethynyltoluene
CAS RN: 766-82-5

A1122 5g 25g

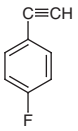


3-Ethynylaniline
CAS RN: 54060-30-9

E0654 5g

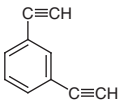
1-Ethynyl-2-fluorobenzene
CAS RN: 766-49-4

F0470 1g 5g



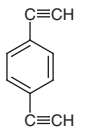
1-Ethynyl-4-fluorobenzene
CAS RN: 766-98-3

D2496 1g 5g



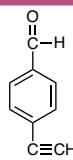
1,3-Diethynylbenzene
CAS RN: 1785-61-1

D2151 1g 5g



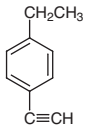
1,4-Diethynylbenzene
CAS RN: 935-14-8

E0987 1g



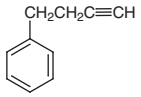
4-Ethynylbenzaldehyde
CAS RN: 63697-96-1

E0749 5g 25g



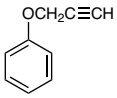
1-Ethyl-4-ethynylbenzene
CAS RN: 40307-11-7

P0358 5mL



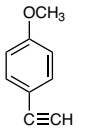
4-Phenyl-1-butyne
CAS RN: 16520-62-0

P2222 5g 25g



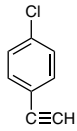
Phenyl Propargyl Ether
CAS RN: 13610-02-1

E0603 1g 5g 25g



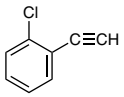
4-Ethynylanisole
CAS RN: 768-60-5

C2670 1g 5g



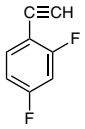
1-Chloro-4-ethynylbenzene
CAS RN: 873-73-4

C2750 1g 5g



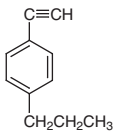
2-Chlorophenylacetylene
CAS RN: 873-31-4

E1169 1g 5g



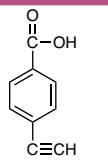
1-Ethynyl-2,4-difluorobenzene
CAS RN: 302912-34-1

E0750 5g 25g



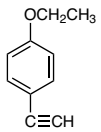
1-Ethynyl-4-propylbenzene
CAS RN: 62452-73-7

E1041 1g



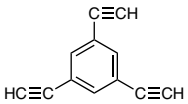
4-Ethynylbenzoic Acid
CAS RN: 10602-00-3

E1029 1g 5g



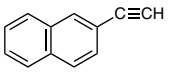
4-Ethoxyphenylacetylene
CAS RN: 79887-14-2

T2760 1g 5g



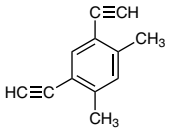
1,3,5-Triethynylbenzene
CAS RN: 7567-63-7

E0933 100mg



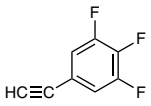
2-Ethynylnaphthalene
CAS RN: 2949-26-0

D4878 1g 5g



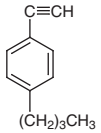
1,5-Diethynyl-2,4-dimethylbenzene
CAS RN: 1379822-09-9

E1078 1g



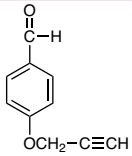
5-Ethynyl-1,2,3-trifluorobenzene
CAS RN: 158816-55-8

B2301 5g 25g



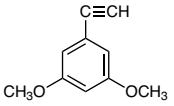
1-Butyl-4-ethynylbenzene
CAS RN: 79887-09-5

P2339 200mg 1g



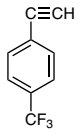
4-(Propargyloxy)benzaldehyde
CAS RN: 5651-86-5

E1175 200mg 1g



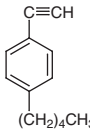
1-Ethynyl-3,5-dimethoxybenzene
CAS RN: 171290-52-1

E0626 1g 5g



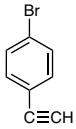
1-Ethynyl-4-(phenylethynyl)benzene
CAS RN: 705-31-7

E0563 5g 25g



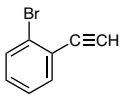
1-Ethynyl-4-pentylbenzene
CAS RN: 79887-10-8

B3701 1g 5g



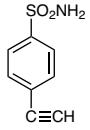
1-Bromo-4-ethynylbenzene
CAS RN: 766-96-1

B4608 1g 5g



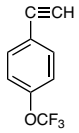
2-Bromophenylacetylene
CAS RN: 766-46-1

E1130 200mg 1g



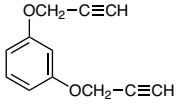
4-Ethynylbenzenesulfonamide
CAS RN: 1788-08-5

E1170 1g 5g



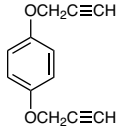
1-Ethynyl-4-(trifluoromethoxy)-benzene
CAS RN: 160542-02-9

B4521 200mg 1g



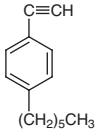
1,3-Bis(2-propynyloxy)benzene
CAS RN: 26627-36-1

B4607 1g 5g



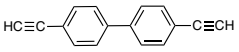
1,4-Bis(2-propynyloxy)benzene
CAS RN: 34596-36-6

E0564 5g 25g



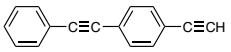
1-Ethynyl-4-hexylbenzene
CAS RN: 79887-11-9

D4233 200mg 1g



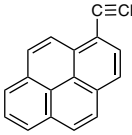
4,4'-Diethynylbiphenyl
CAS RN: 38215-38-2

E0967 200mg 1g



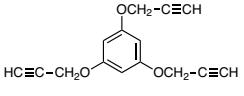
1-Ethynyl-4-(phenylethynyl)-benzene
CAS RN: 92866-00-7

E0939 200mg 1g



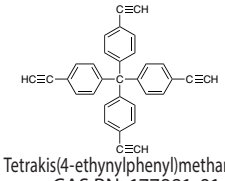
1-Ethynylpyrene
CAS RN: 34993-56-1

T3135 200mg 1g



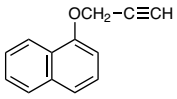
1,3,5-Tris(2-propynyloxy)benzene
CAS RN: 114233-80-6

T3151 100mg 1g



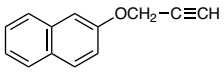
Tetrakis(4-ethynylphenyl)methane
CAS RN: 177991-01-4

P2227 1g 5g



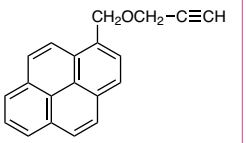
1-(2-Propynyloxy)naphthalene
CAS RN: 18542-45-5

P2190 200mg 1g



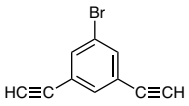
2-(2-Propynyloxy)naphthalene
CAS RN: 20009-28-3

P2226 200mg 1g



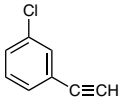
1-[(2-Propynyloxy)methyl]pyrene
CAS RN: 1115084-83-7

B5444 200mg 1g



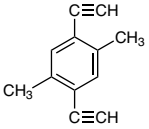
1-Bromo-
3,5-diethynylbenzene
CAS RN: 144001-08-1

C3099 1g 5g



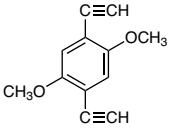
1-Chloro-
3-ethynylbenzene
CAS RN: 766-83-6

D5314 200mg 1g



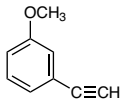
1,4-Diethynyl-
2,5-dimethylbenzene
CAS RN: 75867-45-7

D5315 200mg 1g



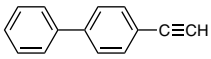
1,4-Diethynyl-
2,5-dimethoxybenzene
CAS RN: 74029-40-6

E0627 1g 5g



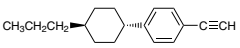
3-Ethynylanisole
CAS RN: 768-70-7

E1141 1g 5g



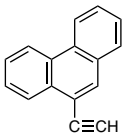
4-Ethynylbiphenyl
CAS RN: 29079-00-3

E1232 1g



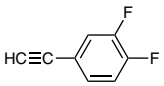
1-Ethynyl-4-(*trans*-
4-propylcyclohexyl)-
benzene
CAS RN: 88074-73-1

E1301 1g 5g



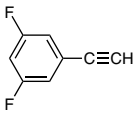
9-Ethynylphenanthrene
CAS RN: 32870-98-7

E1349 1g



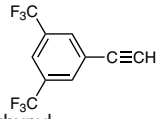
4-Ethynyl-
1,2-difluorobenzene
CAS RN: 143874-13-9

E1352 1g 5g



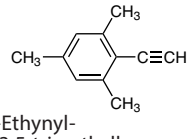
1-Ethynyl-
3,5-difluorobenzene
CAS RN: 151361-87-4

E1353 1g 5g



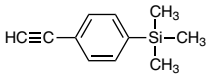
1-Ethynyl-
3,5-bis(trifluoromethyl)-
benzene
CAS RN: 88444-81-9

E1361 1g 5g



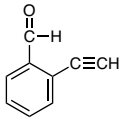
2-Ethynyl-
1,3,5-trimethylbenzene
CAS RN: 769-26-6

E1362 1g 5g



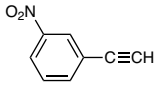
(4-Ethynylphenyl)-
trimethylsilane
CAS RN: 16116-92-0

E1420 1g



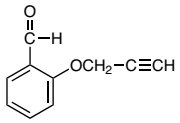
2-Ethynylbenzaldehyde
CAS RN: 38846-64-9

N1148 200mg 1g



3-Nitrophenylacetylene
CAS RN: 3034-94-4

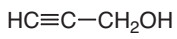
P2338 200mg 1g



2-(Propargyloxy)-
benzaldehyde
CAS RN: 29978-83-4

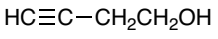
Alcohols

P0536 25mL 100mL 500mL



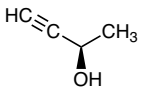
2-Propyn-1-ol
CAS RN: 107-19-7

B0799 5mL 25mL



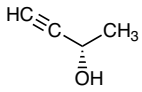
3-Butyn-1-ol
CAS RN: 927-74-2

B2909 1g 5g



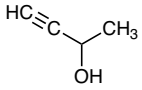
(*R*)-(+)-3-Butyn-2-ol
CAS RN: 42969-65-3

B2910 1g 5g



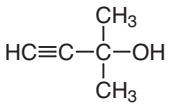
(*S*)-(-)-3-Butyn-2-ol
CAS RN: 2914-69-4

B1001 5mL 25mL



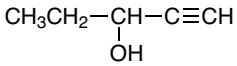
3-Butyn-2-ol
CAS RN: 2028-63-9

M0180 25mL 500mL



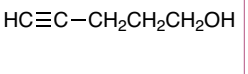
2-Methyl-3-butyn-2-ol
CAS RN: 115-19-5

P0069 10g



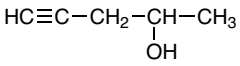
1-Pentyn-3-ol
CAS RN: 4187-86-4

P0817 5mL 25mL



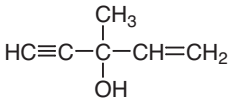
4-Pentyn-1-ol
CAS RN: 5390-04-5

P0818 5mL



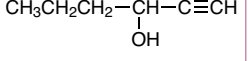
4-Pentyn-2-ol
CAS RN: 2117-11-5

M1312 5mL 25mL



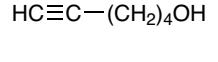
3-Methyl-1-penten-4-yn-3-ol
CAS RN: 3230-69-1

H0141 5mL 25mL



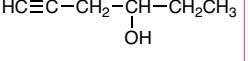
1-Hexyn-3-ol
CAS RN: 105-31-7

H0687 5mL 25mL



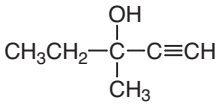
5-Hexyn-1-ol
CAS RN: 928-90-5

H0462 5mL



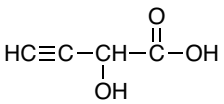
5-Hexyn-3-ol
CAS RN: 19780-84-8

M0396 25mL 100mL 500mL



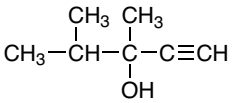
3-Methyl-1-pentyn-3-ol
CAS RN: 77-75-8

H0905 100mg 1g



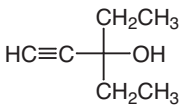
2-Hydroxy-3-butynoic Acid
CAS RN: 38628-65-8

D1276 10mL



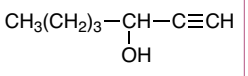
3,4-Dimethyl-1-pentyn-3-ol
CAS RN: 1482-15-1

E0273 25mL



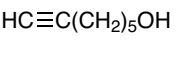
3-Ethyl-1-pentyn-3-ol
CAS RN: 6285-06-9

H0455 1mL 5mL



1-Heptyn-3-ol
CAS RN: 7383-19-9

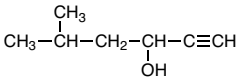
H1474 5mL



6-Heptyn-1-ol
CAS RN: 63478-76-2

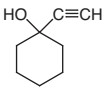
Please inquire for pricing and availability of listed products to our local sales representatives.

M0961 5mL



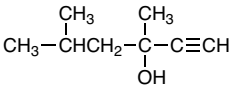
5-Methyl-1-hexyn-3-ol
CAS RN: 61996-79-0

E0297 25g 500g



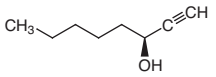
1-Ethynyl-1-cyclohexanol
CAS RN: 78-27-3

D0737 25mL 100mL 500mL



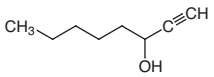
3,5-Dimethyl-1-hexyn-3-ol
CAS RN: 107-54-0

O0235 1g 5g



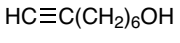
(*S*)-1-Octyn-3-ol
CAS RN: 32556-71-1

O0196 25mL 250mL



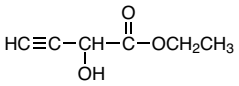
1-Octyn-3-ol
CAS RN: 818-72-4

O0445 1mL 5mL



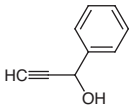
7-Octyn-1-ol
CAS RN: 871-91-0

H0823 1g



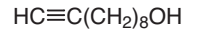
Ethyl 2-Hydroxy-3-butynoate
CAS RN: 18418-08-1

P0220 1g 5g 25g



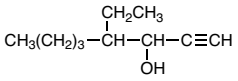
1-Phenyl-2-propyn-1-ol
CAS RN: 4187-87-5

D3710 5g 25g



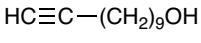
9-Decyn-1-ol
CAS RN: 17643-36-6

E0270 25mL 500mL



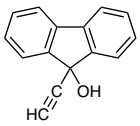
4-Ethyl-1-octyn-3-ol
CAS RN: 5877-42-9

U0055 5g



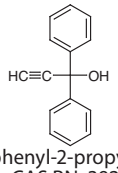
10-Undecyn-1-ol
CAS RN: 2774-84-7

E0548 5g



9-Ethynyl-9-fluorenol
CAS RN: 13461-74-0

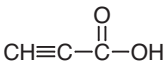
D2495 5g 25g



1,1-Diphenyl-2-propyn-1-ol
CAS RN: 3923-52-2

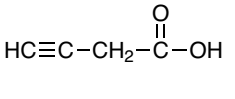
Carboxylic Acids & Esters

P0497 5g 25g



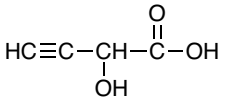
Propiolic Acid
CAS RN: 471-25-0

B4969 200mg



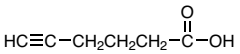
3-Butynoic Acid
CAS RN: 2345-51-9

H0905 100mg 1g



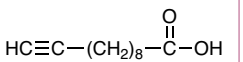
2-Hydroxy-3-butynoic Acid
CAS RN: 38628-65-8

H0882 5g 25g



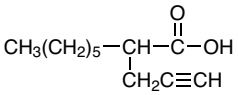
5-Hexynoic Acid
CAS RN: 53293-00-8

U0054 1g 5g



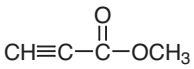
10-Undecynoic Acid
CAS RN: 2777-65-3

H0964 5g 25g



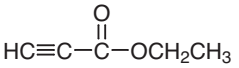
2-Hexyl-4-pentynoic Acid
CAS RN: 96017-59-3

P0528 5mL 25mL



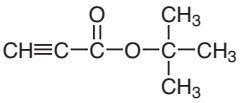
Methyl Propiolate
CAS RN: 922-67-8

P0529 5mL 25mL



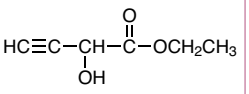
Ethyl Propiolate
CAS RN: 623-47-2

P1038 5g 25g



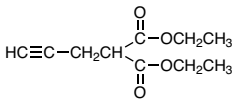
tert-Butyl Propiolate
CAS RN: 13831-03-3

H0823 1g



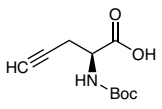
Ethyl 2-Hydroxy-3-butynoate
CAS RN: 18418-08-1

D4616 1g 5g



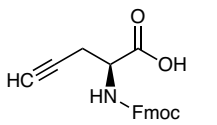
Diethyl 2-Propynylmalonate
CAS RN: 17920-23-9

B4007 1g



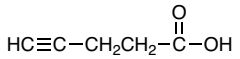
Boc-propargyl-Gly-OH
CAS RN: 63039-48-5

F0926 1g



Fmoc-propargyl-Gly-OH
CAS RN: 198561-07-8

P2341 1g 5g



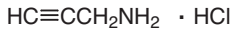
4-Pentynoic Acid
CAS RN: 6089-09-4

Amines

P0911 5mL 25mL

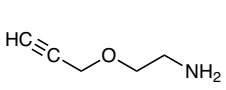
Propargylamine
CAS RN: 2450-71-7

P0990 5g 25g



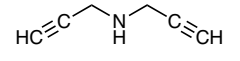
Propargylamine Hydrochloride
CAS RN: 15430-52-1

P2166 1g 5g



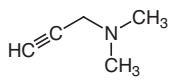
2-(2-Propynyloxy)ethylamine
CAS RN: 122116-12-5

D4685 1mL 5mL



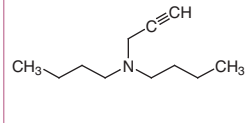
Dipropargylamine
CAS RN: 6921-28-4

D2794 5mL 25mL



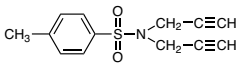
N,N-Dimethylpropargylamine
CAS RN: 7223-38-3

D2817 5mL



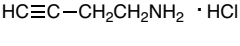
3-Dibutylamino-1-propyne
CAS RN: 6336-58-9

D4964 1g 5g



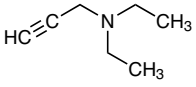
N,N-Dipropargyl-
p-toluenesulfonamide
CAS RN: 18773-54-1

B5925 200mg 1g



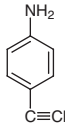
3-Butyn-
1-amine Hydrochloride
CAS RN: 88211-50-1

D5393 5mL 25mL



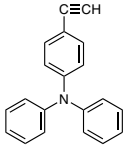
3-Diethylamino-
1-propyne
CAS RN: 4079-68-9

E0505 10g 25g



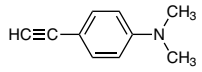
4-Ethynylaniline
CAS RN: 14235-81-5

E0894 1g



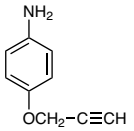
4-Ethynyltriphenylamine
CAS RN: 205877-26-5

E1021 1g 5g



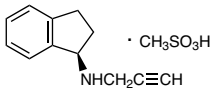
4-Ethynyl-*N*,*N*-dimethylaniline
CAS RN: 17573-94-3

P2224 1g 5g



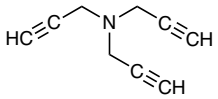
4-(2-Propynyloxy)aniline
CAS RN: 26557-78-8

R0213 250mg 1g 5g



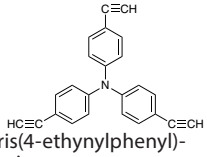
Rasagiline Mesylate
CAS RN: 161735-79-1

T2992 1g 5g



Tripropargylamine
CAS RN: 6921-29-5

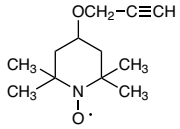
T3094 1g



Tris(4-ethynylphenyl)-amine
CAS RN: 189178-09-4

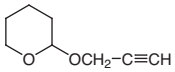
Heterocyclic Compounds

T3169 1g 5g



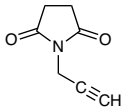
4-Propargyloxy-TEMPO Free Radical
CAS RN: 147045-24-7

P1624 25g



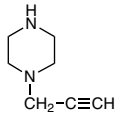
2-(2-Propynyloxy)-tetrahydropyran
CAS RN: 6089-04-9

P2191 200mg 1g



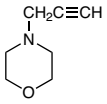
N-(2-Propynyl)succinimide
CAS RN: 10478-33-8

P2228 200mg 1g



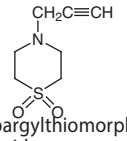
1-Propargylpiperazine
CAS RN: 52070-67-4

P2170 200mg 1g



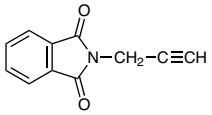
4-Propargylmorpholine
CAS RN: 5799-76-8

P1469 5g 25g



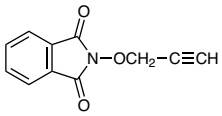
4-Propargylthiomorpholine 1,1-Dioxide
CAS RN: 10442-03-2

P2329 5g 25g



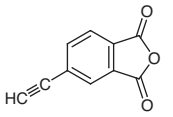
N-Propargylphthalimide
CAS RN: 7223-50-9

P2342 1g 5g



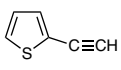
N-(Propargyloxy)phthalimide
CAS RN: 4616-63-1

E0579 1g 5g



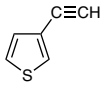
4-Ethynylphthalic Anhydride
CAS RN: 73819-76-8

E0915 1g 5g



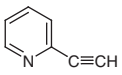
2-Ethynylthiophene
CAS RN: 4298-52-6

E0892 1g 5g



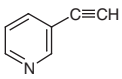
3-Ethynylthiophene
CAS RN: 67237-53-0

E0340 1mL 5mL



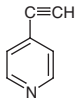
2-Ethynylpyridine
CAS RN: 1945-84-2

E0560 1g 5g



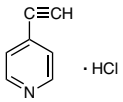
3-Ethynylpyridine
CAS RN: 2510-23-8

E0561 100mg 500mg



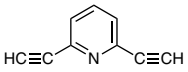
4-Ethynylpyridine
CAS RN: 2510-22-7

E1043 1g 5g



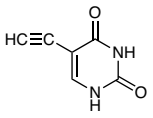
4-Ethynylpyridine Hydrochloride
CAS RN: 352530-29-1

D5097 200mg 1g



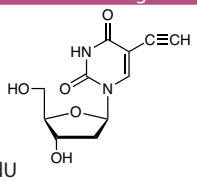
2,6-Diethynylpyridine
CAS RN: 75867-46-8

E1096 200mg 1g



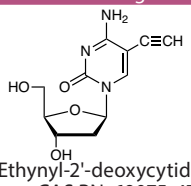
5-Ethynyluracil
CAS RN: 59989-18-3

E1057 50mg 200mg



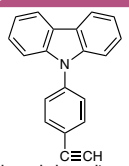
EdU
CAS RN: 61135-33-9

E1093 50mg 200mg



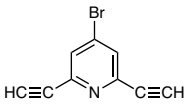
5-Ethynyl-2'-deoxycytidine
CAS RN: 69075-47-4

E1055 1g 5g



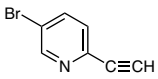
9-(4-Ethynylphenyl)carbazole
CAS RN: 262861-81-4

B4921 200mg 1g



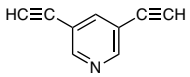
4-Bromo-2,6-diethynylpyridine
CAS RN: 1374038-64-8

B5179 200mg 1g



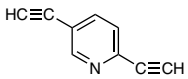
5-Bromo-2-ethynylpyridine
CAS RN: 111770-86-6

D4613 1g 5g



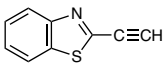
3,5-Diethynylpyridine
CAS RN: 67227-90-1

D4664 250mg 1g



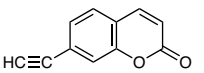
2,5-Diethynylpyridine
CAS RN: 137000-75-0

E1091 200mg



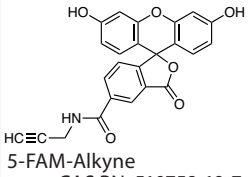
2-Ethynylbenzothiazole
CAS RN: 40176-80-5

E1092 200mg 1g



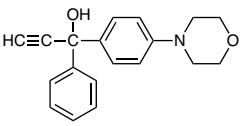
7-Ethynylcoumarin
CAS RN: 270088-04-5

F1222 25mg



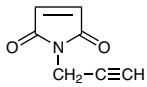
5-FAM-Alkyne
CAS RN: 510758-19-7

M3184 1g 5g



1-(4-Morpholinophenyl)-1-phenylprop-2-yn-1-ol
CAS RN: 194940-93-7

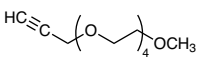
P2139 25mg 100mg



N-Propargylmaleimide
CAS RN: 209395-32-4

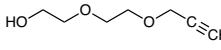
Polyethylene Glycols (PEG)

P2249 25mg 100mg



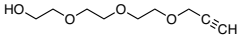
mPEG$_4$-Alkyne
CAS RN: 1101668-39-6

D4580 1g



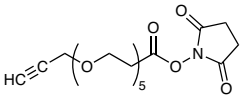
2-[2-(2-Propyn-1-yloxy)-ethoxy]ethanol
CAS RN: 7218-43-1

T3114 1g 5g



Triethylene Glycol Monopropargyl Ether
CAS RN: 208827-90-1

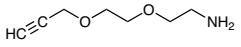
P2283 25mg



Alkyne-PEG$_5$-NHS Ester
CAS RN: 1393330-40-9

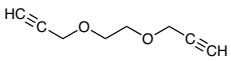
Please inquire for pricing and availability of listed products to our local sales representatives.

P2225 1g 5g



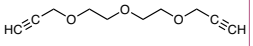
2-[2-(2-Propynyloxy)-ethoxy]ethylamine
CAS RN: 944561-44-8

E1054 5g 25g



Ethylene Glycol 1,2-Bis(2-propynyl) Ether
CAS RN: 40842-04-4

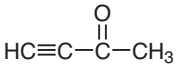
D4581 5g 25g



Diethylene Glycol Bis(2-propynyl) Ether
CAS RN: 126422-57-9

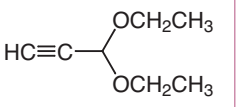
Others

B2393 1g 5g



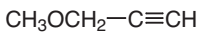
3-Butyn-2-one
CAS RN: 1423-60-5

P1173 5mL 25mL



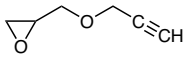
Propargylaldehyde Diethyl Acetal
CAS RN: 10160-87-9

M0860 5mL 25mL



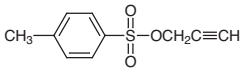
Methyl Propargyl Ether
CAS RN: 627-41-8

G0445 1g 5g



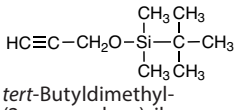
Glycidyl Propargyl Ether
CAS RN: 18180-30-8

T1455 5g



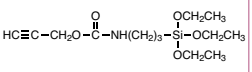
Propargyl *p*-Toluenesulfonate
CAS RN: 6165-76-0

B5163 5mL 25mL



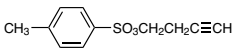
tert-Butyldimethyl-(2-propynyloxy)silane
CAS RN: 76782-82-6

P2258 1g 5g



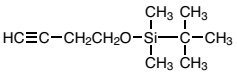
2-Propynyl [3-(Triethoxysilyl)-propyl]carbamate
CAS RN: 870987-68-1

T2046 5g



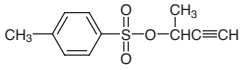
3-Butynyl *p*-Toluenesulfonate
CAS RN: 23418-85-1

B5042 1mL



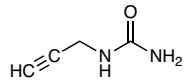
4-(*tert*-Butyldimethyl-silyloxy)-1-butyne
CAS RN: 78592-82-2

T1224 5g



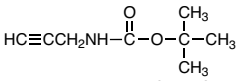
1-Butyn-3-yl *p*-Toluenesulfonate
CAS RN: 53487-52-8

P2171 200mg 1g



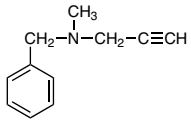
2-Propynylurea
CAS RN: 5221-62-5

B4472 1g 5g



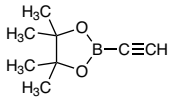
N-(*tert*-Butoxycarbonyl)-propargylamine
CAS RN: 92136-39-5

M2618 1g



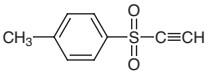
N-Methyl-*N*-propargylbenzylamine
CAS RN: 555-57-7

E1074 200mg 1g



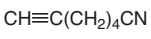
Ethynylboronic Acid Pinacol Ester
CAS RN: 347389-74-6

E0466 1g 5g



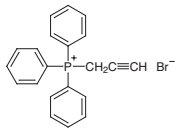
Ethynyl *p*-Tolyl Sulfone
CAS RN: 13894-21-8

H1214 5g 25g



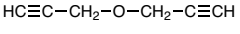
6-Heptynenitrile
CAS RN: 15295-69-9

P1438 5g 25g



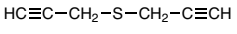
Triphenylpropargyl-phosphonium Bromide
CAS RN: 2091-46-5

P2335 1g 5g



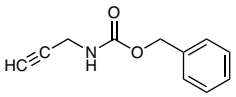
Propargyl Ether
CAS RN: 6921-27-3

P2336 1g 5g



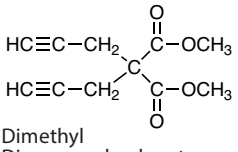
Propargyl Sulfide
CAS RN: 13702-09-5

B5958 1g



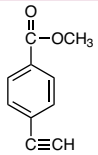
N-Carbobenzoxypropargylamine
CAS RN: 120539-91-5

D4963 1g 5g



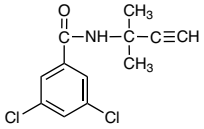
Dimethyl Dipropargylmalonate
CAS RN: 63104-44-9

M2768 1g 5g



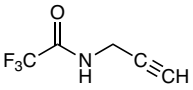
Methyl 4-Ethynylbenzoate
CAS RN: 3034-86-4

P2374 1g 5g



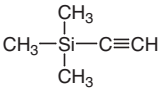
Propyzamide
CAS RN: 23950-58-5

P2603 1g



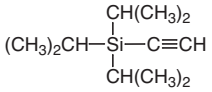
N-Propargyltrifluoroacetamide
CAS RN: 14719-21-2

T1239 5mL 25mL 250mL



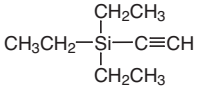
Trimethylsilylacetylene
CAS RN: 1066-54-2

T1683 5mL 25mL



Triisopropylsilylacetylene
CAS RN: 89343-06-6

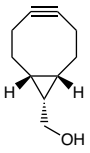
T2387 1g 5g



Triethylsilylacetylene
CAS RN: 1777-03-3

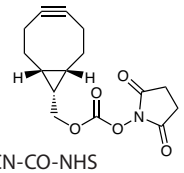
Cu-free Click Reaction Reagents

B5467 100mg



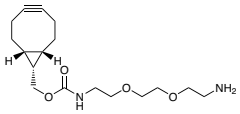
BCN-OH
CAS RN: 1263166-90-0

B6275 10mg 100mg



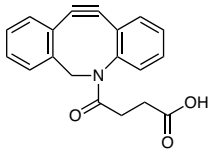
BCN-CO-NHS
CAS RN: 1426827-79-3

B4062 25mg 100mg



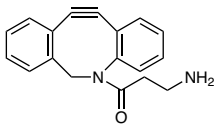
BCN-amine
CAS RN: 1263166-93-3

D5677 250mg



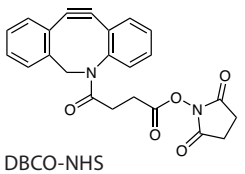
DBCO-Acid
CAS RN: 1353016-70-2

A2763 25mg 100mg



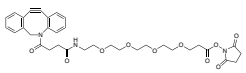
DBCO-amine
CAS RN: 1255942-06-3

D5999 25mg



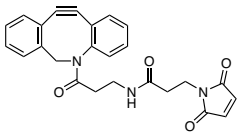
DBCO-NHS
CAS RN: 1353016-71-3

D5922 25mg



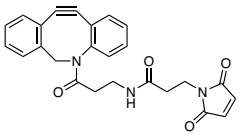
DBCO-PEG4-NHS Ester
CAS RN: 1427004-19-0

D4739 25mg



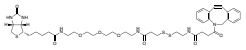
DBCO-maleimide
CAS RN: 1395786-30-7

D5849 1set



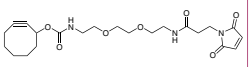
DBCO-maleimide (2mg×5)
CAS RN: 1395786-30-7

D5552 25mg



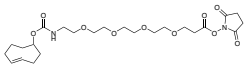
DBCO-*S*-*S*-PEG3-Biotin
CAS RN: 1430408-09-5

C3700 5mg 25mg



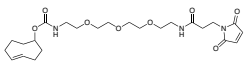
SCO-PEG2-Maleimide
CAS RN: 2141976-23-8

T3949 5mg 25mg



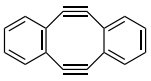
TCO-PEG4-NHS
CAS RN: 1621096-79-4

T3948 5mg 25mg



TCO-PEG3-Maleimide
CAS RN: 1914971-04-2

T3241 100mg 500mg



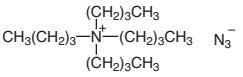
5,6,11,12-Tetradehydro-dibenzo[a,e]cyclooctene
CAS RN: 53397-65-2

Azidation Reagents

S0489 100g

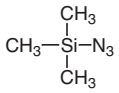
Sodium Azide
CAS RN: 26628-22-8

T0920 5g 25g



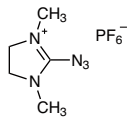
Tetrabutylammonium Azide
CAS RN: 993-22-6

T0801 5g 25g 100g



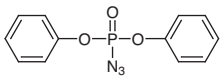
Trimethylsilyl Azide
CAS RN: 4648-54-8

A2457 5g 25g 250g



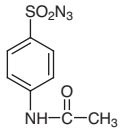
2-Azido-1,3-dimethylimidazolinium Hexafluorophosphate
CAS RN: 1266134-54-6

D1672 5g 25g 250g



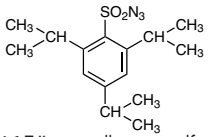
Diphenylphosphoryl Azide
CAS RN: 26386-88-9

A1786 5g 25g 100g



4-Acetamidobenzenesulfonyl Azide
CAS RN: 2158-14-7

T3434 1g 5g



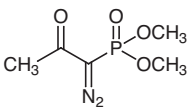
2,4,6-Triisopropylbenzenesulfonyl Azide (wetted with *ca.* 10% Water)
CAS RN: 36982-84-0

D2580 25g

Dodecylbenzenesulfonyl Azide (soft type) (mixture)
CAS RN: 79791-38-1

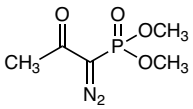
Ethynylation Reagents

D3546 1g 5g



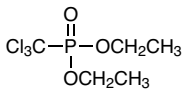
Ohira-Bestmann Reagent
CAS RN: 90965-06-3

D5048 5g 25g



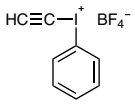
Ohira-Bestmann Reagent
(10% in Acetonitrile)
CAS RN: 90965-06-3

D4607 5g 25g



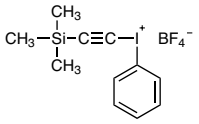
Diethyl (Trichloromethyl)-phosphonate
CAS RN: 866-23-9

E0467 1g



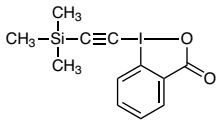
Ethynyl(phenyl)iodonium Tetrafluoroborate
CAS RN: 127783-34-0

P1239 1g



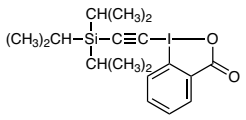
Trimethylsilylethynyl(phenyl)-iodonium Tetrafluoroborate
CAS RN: 127783-36-2

T3272 1g 5g



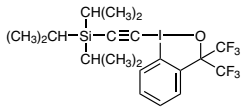
TMS-EBX
CAS RN: 181934-29-2

T3039 200mg 1g



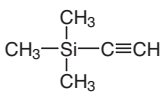
TIPS-EBX
CAS RN: 181934-30-5

T3590 200mg



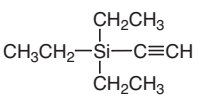
1-[2-(Triisopropylsilyl)ethynyl]-3,3-bis(trifluoromethyl)-1,2-benziodoxole
CAS RN: 181934-34-9

T1239 5mL 25mL 250mL



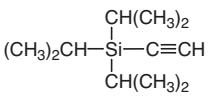
Trimethylsilylacetylene
CAS RN: 1066-54-2

T2387 1g 5g



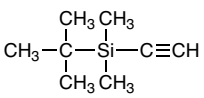
Triethylsilylacetylene
CAS RN: 1777-03-3

T1683 5mL 25mL



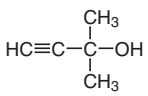
Triisopropylsilylacetylene
CAS RN: 89343-06-6

B4365 5g 25g



(*tert*-Butyldimethylsilyl)acetylene
CAS RN: 86318-61-8

M0180 25mL 500mL



2-Methyl-3-butyn-2-ol
CAS RN: 115-19-5

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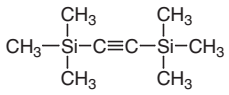
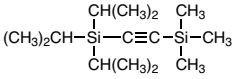
B1090 5g 25g



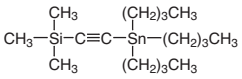
BTMSA
CAS RN: 14630-40-1

T3271 1mL 5mL



Triisopropyl[(trimethylsilyl)-ethynyl]silane
CAS RN: 107474-02-2

T1865 5g 25g



Tributyl(trimethylsilylethynyl)tin
CAS RN: 81353-38-0

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