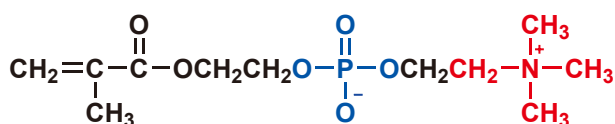


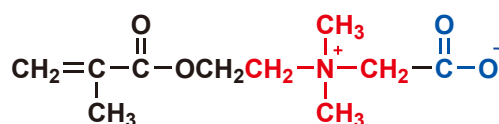
Zwitterionic Monomers Suitable for Biocompatible Polymer Synthesis



2-Methacryloyloxyethyl Phosphorylcholine

1g / 5g

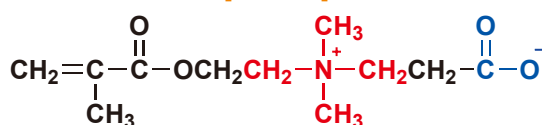
[M2005]



2-[[2-(Methacryloyloxy)ethyl]-dimethylammonio]acetate

1g / 5g

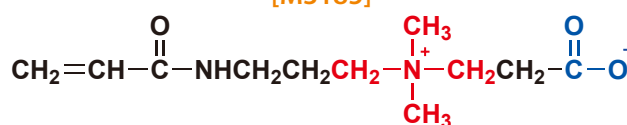
[M3185]



3-[[2-(Methacryloyloxy)ethyl]-dimethylammonio]propionate

1g / 5g

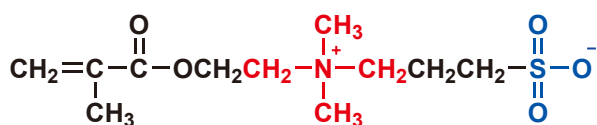
[M2359]



3-[(3-Acrylamidopropyl)-dimethylammonio]propanoate

1g / 5g

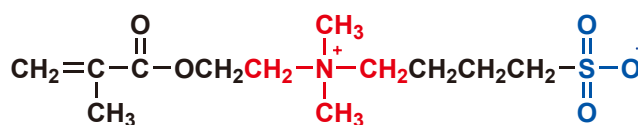
[A3279]



3-[[2-(Methacryloyloxy)ethyl]-dimethylammonio]propane-1-sulfonate

25g / 100g

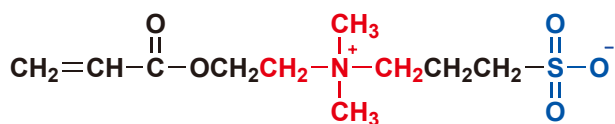
[M1971]



4-[[2-(Methacryloyloxy)ethyl]-dimethylammonio]butane-1-sulfonate

5g

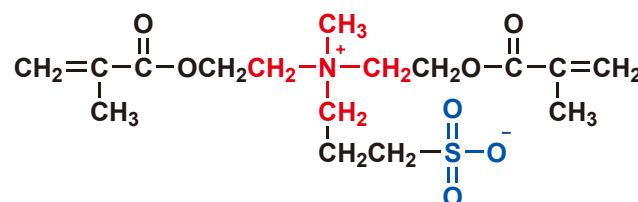
[M3295]



3-[[2-(Acryloyloxy)ethyl]-dimethylammonio]propane-1-sulfonate

5g / 25g

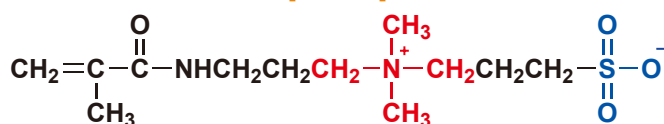
[A3367]



3-[Bis[2-(methacryloyloxy)ethyl]-(methyl)ammonio]propane-1-sulfonate

1g

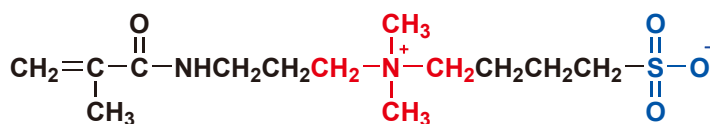
[B6130]



3-[(3-Methacrylamidopropyl)-dimethylammonio]propane-1-sulfonate

5g / 25g

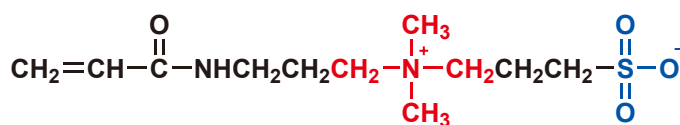
[U0119]



4-[(3-Methacrylamidopropyl)-dimethylammonio]butane-1-sulfonate

1g

[M3296]



3-[(3-Acrylamidopropyl)-dimethylammonio]propane-1-sulfonate

5g

[A3361]

Zwitterionic Monomers Suitable for Biocompatible Polymer Synthesis

Applications

Low protein absorption polymer

- M2005** : K. Ishihara, N. P. Ziats, B. P. Tierney, N. Nakabayashi, J. M. Anderson, *J. Biomed. Mater. Res.* **1991**, 25, 1397.
M1971 : Z. Zhang, J. A. Finlay, L. Wang, Y. Gao, J. A. Callow, M. E. Callow, S. Jiang, *Langmuir* **2009**, 25, 13516.
M2359 : Z. Zhang, T. Chao, S. Chen, S. Jiang, *Langmuir* **2006**, 22, 10072.
A3279 : H. Vaisocherová, W. Yang, Z. Zhang, Z. Cao, G. Cheng, M. Piliarik, J. Homola, S. Jiang, *Anal. Chem.* **2008**, 80, 7894.

Surface modification

- M2005** : W. Feng, S. Zhu, K. Ishihara, J. L. Brash, *Biointerphases* **2006**, 1, 50.
M2359 : B.-Y. Yu, J. Zheng, Y. Chang, M.-C. Sin, C.-H. Chang, A. Higuchi, Y.-M. Sun, *Langmuir* **2014**, 30, 7502.
A3279 : J. Park, T. F. Brust, H. J. Lee, S. C. Lee, V. J. Watts, Y. Yeo, *ACS Nano* **2014**, 8, 3347.
M2005, M1971, M3185
: G. Jia, Z. Cao, H. Xue, Y. Xu, S. Jiang, *Langmuir* **2009**, 25, 3196.

Biocompatible micelle

- M2005** : S. Yusa, K. Fukuda, T. Yamamoto, K. Ishihara, Y. Morishima, *Biomacromolecules* **2005**, 6, 663.
M2359 : K. E. B. Doncom, H. Willcock, R. K. O'Reilly, *Eur. Polym. J.* **2017**, 87, 497.
M3185 : W. Lin, Y. He, J. Zhang, L. Wang, Z. Wang F. Ji, S. Chen, *Colloids Surf. B* **2014**, 115, 384.

Cell adhesion material

- M2005** : Y. Xu, M. Takai, K. Ishihara, *Biomaterials* **2009**, 30, 4930.
M2359 : H. Wang, T. Zhang, B. Liu, *et al.*, *ACS Appl. Mater. Interfaces* **2014**, 6, 4550.

Hydrogel

- M2005** : T. Goda, K. Ishihara, *Expert Rev. Med. Devices* **2006**, 3, 167.
M1971 : Z. Zhang, T. Chao, S. Jiang, *J. Phys. Chem. B* **2008**, 112, 5327.
M2359 : L. Zhang, Z. Cao, T. Bai, L. Carr, J.-R. Ella-Menye, C. Irvin, B.-D. Ratner, S. Jiang, *Nat. Biotechnol.* **2013**, 31, 553.
A3279 : G. Jia, Z. Cao, H. Xue, Y. Xu, S. Jiang, *Langmuir* **2009**, 25, 3196.
M2359, M1971
: G. Sener, S. A. Hilton, M. J. Osmond, C. Zgheib, J. P. Newsom, L. Dewberry, S. Singh, T. S. Sakthivel, S. Seal, K. W. Liechty, M. D. Krebs, *Acta Biomater.* **2020**, 101, 262.
A3361 : K. Huang, Y. Fang, P. Hsieh, C. Li, N. Dai, C. Huang, *J. Mater. Chem. B* **2016**, 4, 4206.

Protein purification

- M2359** : S. L. Baker, A. Munasinghe, B. Kaupbayeva, N. R. Kang, M. Certiat, H. Murata, K. Matyjaszewski, P. Lin, C. M. Colina, A. J. Russell, *Nat. Commun.* **2019**, 10, 4718.

Biological substance sensor

- M2005, M3185, U0119, M1971**
: X. Xie, J. C. Doloff, V. Yesilyurt, A. Sadraei, J. J. McGarrigle, M. Omami, O. Veisheh, S. Farah, D. Isa, S. Ghani, I. Joshi, A. Vegas, J. Li, W. Wang, A. Bader, H. H. Tam, J. Tao, H. Chen, B. Yang, K. A. Williamson, J. Oberholzer, R. Langer, D. G. Anderson, *Nat. Biomed. Eng.* **2018**, 2, 894.

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