FUJIFILM
Value from Innovation

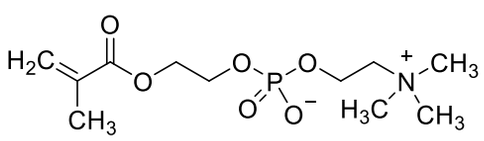
Wako

Monomer

Zwitterionic Monomers

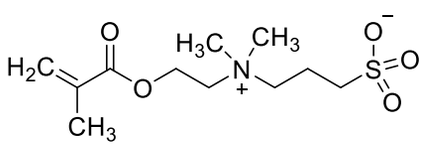
Zwitterionic monomers are monomers that have a cationic moiety and an anionic moiety in the same molecule. Since many biomolecules such as amino acids, proteins, nucleic acids, and phospholipids have zwitterionic properties, polymers synthesized from these monomers have attracted attention as biomaterials. We have a lineup of zwitterionic monomers centered on sulfobetaine monomers. We hope you will use these monomers in your research and development of biomaterials.

<Phosphorylcholine Monomer>

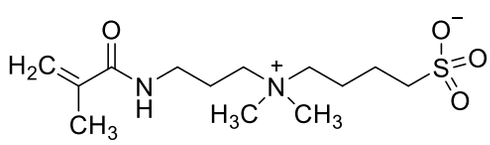


2-(Methacryloyloxy)ethyl 2-(Trimethyl-ammonio)ethyl Phosphate

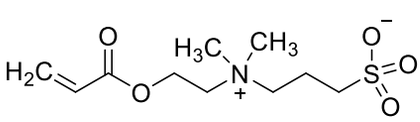
<Sulfobetaine Monomer>



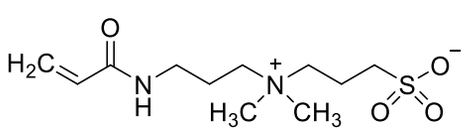
3-{[2-(Methacryloyloxy)ethyl]-dimethylammonio}propane-1-sulfonate



4-[(3-Methacrylamidopropyl)dimethyl-ammonio]butane-1-sulfonate



3-{[2-(Acryloyloxy)ethyl]dimethyl-ammonio}propane-1-sulfonate



3-[(3-Acrylamidopropyl)dimethyl-ammonio]propane-1-sulfonate

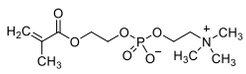
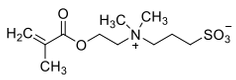
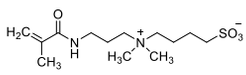
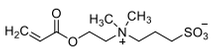
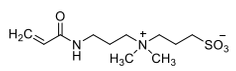
Feature

- High water solubility.
- Polymer applications include biocompatible materials, drug delivery systems, and hydrogels. [1)]

<Reference>

1) Erfani, A., Seaberg, J., Aichele, C. P., Ramsey, J. D. : *Biomacromolecules*, **21**, 2557 (2020).

Product Lists

Code No.	Product Name	Structure	CAS RN® / Storage conditions	Package Size
134-19361	2-(Methacryloyloxy)ethyl 2-(Trimethylammonio)ethyl Phosphate		67881-98-5	5g
132-19362			Keep at -20 degrees C	25g
137-19351	3-{[2-(Methacryloyloxy)ethyl]-dimethylammonio}propane-1-sulfonate		3637-26-1	100g
139-19355			Room temperature	500g
354-45891	4-[(3-Methacrylamidopropyl)-dimethylammonio]butane-1-sulfonate		83623-32-9	5g
			Keep at -20 degrees C	
015-28491	3-{[2-(Acryloyloxy)ethyl]dimethyl-ammonio}propane-1-sulfonate		88992-91-0	5g
013-28492			Keep at 2-10 degrees C	25g
018-28481	3-[(3-Acrylamidopropyl)dimethyl-ammonio]propane-1-sulfonate		80293-60-3	5g
016-28482			Keep at 2-10 degrees C	25g

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