

Octaethylene glycol monohexadecyl ether

Chemical Properties

CAS No. : 5698-39-5

Formula: C32H66O9

Molecular Weight: 594.86

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

Octaethylene glycol monohexadecyl ether is a nonionic surfactant frequently utilized in various industrial and research contexts. As a member of the polyethylene glycol (PEG) ether family, it features a hydrophilic head and a lipophilic tail, making it suitable for emulsions, detergents, and solubilizers. It is particularly valuable in membrane protein research for dissolving and stabilizing proteins for structural analysis techniques. Additionally, Octaethylene glycol monohexadecyl ether can interact with and penetrate cell membranes, offering potential applications in drug delivery and other medical fields.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6811 mL	8.4053 mL	16.8107 mL
5 mM	0.3362 mL	1.6811 mL	3.3621 mL
10 mM	0.1681 mL	0.8405 mL	1.6811 mL
50 mM	0.0336 mL	0.1681 mL	0.3362 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481