

Hexaethylene glycol monohexadecyl ether

Chemical Properties

CAS No. : 5168-91-2

Formula: C₂₈H₅₈O₇

Molecular Weight: 506.76

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

Hexaethylene glycol monohexadecyl ether is a nonionic surfactant within the polyethylene glycol (PEG) ether family. It features a hydrophilic head and a lipophilic tail, making it versatile for numerous applications. Specifically, Hexaethylene glycol monohexadecyl ether is commonly employed in membrane protein research to dissolve and stabilize proteins for structural analysis techniques like X-ray crystallography and electron microscopy. Additionally, it is utilized in various industrial and research contexts, such as drug delivery systems, nanotechnology, and diagnostic analysis. Its unique properties make it ideal for facilitating interactions between molecules with differing physicochemical properties.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9733 mL	9.8666 mL	19.7332 mL
5 mM	0.3947 mL	1.9733 mL	3.9466 mL
10 mM	0.1973 mL	0.9867 mL	1.9733 mL
50 mM	0.0395 mL	0.1973 mL	0.3947 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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