

Hexaethylene glycol monotetradecyl ether

Chemical Properties

CAS No. : 5157-04-0

Formula: C₂₆H₅₄O₇

Molecular Weight: 478.7

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 monotetradecyl ether is a nonionic surfactant characterized by a hydrophilic head and a lipophilic tail. Belonging to the polyethylene glycol (PEG) ethers, it finds widespread application in various industrial and research settings. Its unique properties make it suitable for use in emulsions, detergents, and solubilizers. Particularly valuable in membrane protein studies, it stabilizes and dissolves proteins for structural analysis techniques. Additionally, due to its moisturizing and emulsifying capabilities, Hexaethylene glycol monotetradecyl ether is utilized in personal care and cosmetic products.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.089 mL	10.445 mL	20.8899 mL
5 mM	0.4178 mL	2.089 mL	4.178 mL
10 mM	0.2089 mL	1.0445 mL	2.089 mL
50 mM	0.0418 mL	0.2089 mL	0.4178 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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