

Octaethylene glycol monodecyl ether

Chemical Properties

CAS No. :	24233-81-6
Formula:	C ₂₆ H ₅₄ O ₉
Molecular Weight:	510.7
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	Octaethylene glycol monodecyl ether is a nonionic surfactant widely employed in industrial and research settings. As a member of the polyethylene glycol (PEG) ether family, it features a hydrophilic head and hydrophobic tail, making it suitable for use in emulsions, detergents, and solubilizers. Particularly beneficial in membrane protein studies, it facilitates the dissolution and stabilization of proteins for structural analysis techniques. Furthermore, Octaethylene glycol monodecyl ether possesses the capability to interact with and penetrate cell membranes, revealing potential applications in drug delivery and other medical fields.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9581 mL	9.7905 mL	19.581 mL
5 mM	0.3916 mL	1.9581 mL	3.9162 mL
10 mM	0.1958 mL	0.979 mL	1.9581 mL
50 mM	0.0392 mL	0.1958 mL	0.3916 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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