Data Sheet (Cat.No.T16335)

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Nonaethylene glycol monododecyl ether

Chemical Properties

CAS No. : 3055-99-0

Formula: C30H62O10

Molecular Weight: 582.81

Appearance: no data available

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

Biological Description

Description	Nonaethylene glycol monododecyl ether (Polidocanol) is a nonionic surfactant and polyethylene glycol (PEG) detergent. It can be used to form initial coalesced O/W emulsion droplets and for protein separation and purification.
Targets(IC50)	Others
In vitro	In vitro incubations with Nonaethylene glycol monododecyl ether typically gave chain lengths that corresponded to those of the isoprenoid moieties in respiratory quinones synthesized in vivo, it displayed by examination of a series of non-ionic PEG detergents with several long-chain E-PDSs from different organisms [2].

Solubility Information

Solubility	DMSO: 250 mg/mL (428.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7158 mL	8.5791 mL	17.1583 mL
5 mM	0.3432 mL	1.7158 mL	3.4317 mL
10 mM	0.1716 mL	0.8579 mL	1.7158 mL
50 mM	0.0343 mL	0.1716 mL	0.3432 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.

Reference

Li C, et al. Oil-in-Water Emulsion Templated and Crystallization-Driven Self-Assembly Formation of Poly(l-lactide)-Polyoxyethylene-Poly(l-lactide) Fibers. Langmuir. 2017 Nov 14;33(45):13060-13067.

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