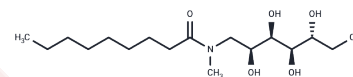


MEGA-9

Chemical Properties

CAS No. :	85261-19-4
Formula:	C16H33NO6
Molecular Weight:	335.44
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	MEGA-9 (Nonanoyl-N-Methylglucamide) solubilizes membrane protein and can be used as a nonionic detergent.
Targets(IC50)	Serine Protease

Solubility Information

Solubility	DMSO: 3.36 mg/mL (10.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9812 mL	14.9058 mL	29.8116 mL
5 mM	0.5962 mL	2.9812 mL	5.9623 mL
10 mM	0.2981 mL	1.4906 mL	2.9812 mL
50 mM	0.0596 mL	0.2981 mL	0.5962 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.

Reference

- Hildreth, J.E.K. N-D-Gluco-N-methylalkanamide compounds, a new class of non-ionic detergents for membrane biochemistry. *Biochem. J.* 207(2), 363-366 (1982).
- Miyagishi, S., et al. Salt effect on critical micelle concentrations of nonionic surfactants, N-acyl-N-methylglucamides (MEGA-n). *J. Colloid. Interface Sci.* 238(1), 91-95 (2001).
- Hanatani, M., et al. Solubilization and reconstitution of membrane proteins of Escherichia coli using alkanoyl-N-methylglucamides. *J. Biochem.* 95(5), 1349-1353 (1984).

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