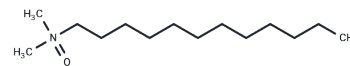


Lauramine oxide

Chemical Properties

CAS No. :	1643-20-5
Formula:	C ₁₄ H ₃₁ NO
Molecular Weight:	229.4
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Lauramine oxide (Refan) is effective against common bacteria such as E. coli and S. aureus, however it is non-denaturing and may be used to solubilize proteins.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 2.29 mg/mL (10 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	4.3592 mL	21.796 mL	43.592 mL
5 mM	0.8718 mL	4.3592 mL	8.7184 mL
10 mM	0.4359 mL	2.1796 mL	4.3592 mL
50 mM	0.0872 mL	0.4359 mL	0.8718 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

Ríos F, Lechuga M, Fernández-Arteaga A, Jurado E, Fernández-Serrano M. Anaerobic digestion of amine-oxide-based surfactants: biodegradation kinetics and inhibitory effects. Biodegradation. 2017 Aug;28(4):303-312. doi:

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