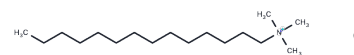


Tetradecyltrimethylammonium bromide

Chemical Properties

CAS No. :	1119-97-7
Formula:	C ₁₇ H ₃₈ BrN
Molecular Weight:	336.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tetradecyltrimethylammonium bromide (MitMAB) is a Dynamin GTPase activity inhibitor and a cationic surfactant with asymmetrical structure.
Targets(IC50)	Dynamin

Solubility Information

Solubility	Ethanol: 50 mg/ml(148.64 mM) H ₂ O: 50 mg/ml(148.64 mM) DMSO: 15 mg/mL (44.59 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9727 mL	14.8637 mL	29.7274 mL
5 mM	0.5945 mL	2.9727 mL	5.9455 mL
10 mM	0.2973 mL	1.4864 mL	2.9727 mL
50 mM	0.0595 mL	0.2973 mL	0.5945 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

N. Gorski, et al. Mixtures of Nonionic and Ionic Surfactants. The Effect of Counterion Binding in Mixtures of Tetradecyldimethylamine Oxide and Tetradecyltrimethylammonium Bromide. Langmuir 1994, 10, 8, 2594-2603.

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