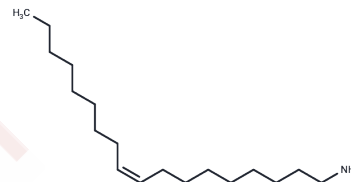


Oleylamine

Chemical Properties

CAS No. :	112-90-3
Formula:	C18H37N
Molecular Weight:	267.49
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Oleylamine is a long-chain primary amine with surfactant properties, widely used in industry, soluble in a variety of organic solvents and insoluble in water. cis-1-Amino-9-octadecene can control the morphology of nanoparticles and prevent aggregation and to reduce metal precursors to metal nanoparticles.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8 mg/mL (29.91 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	3.7385 mL	18.6923 mL	37.3846 mL
5 mM	0.7477 mL	3.7385 mL	7.4769 mL
10 mM	0.3738 mL	1.8692 mL	3.7385 mL
50 mM	0.0748 mL	0.3738 mL	0.7477 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

Mourdikoudis S, et al., Oleylamine in nanoparticle synthesis[J]. Chemistry of Materials, 2013, 25(9): 1465-1476.

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