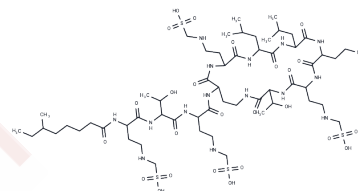


Colistimethate Sodium

Chemical Properties

CAS No. :	30387-39-4
Formula:	C57H108N16O25S4
Molecular Weight:	1545.82
Storage:	Keep away from moisture 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	Colistin-1,3,5,9-tetramethanesulfonic A acid is used for the treatment of serious infections due to selected aerobic Gram-negative pathogens in patients with limited treatment options.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 10 mg/mL (6.47 mM), Sonication is recommended. DMSO: 250 mg/mL (161.73 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	0.6469 mL	3.2345 mL	6.4691 mL
5 mM	0.1294 mL	0.6469 mL	1.2938 mL
10 mM	0.0647 mL	0.3235 mL	0.6469 mL
50 mM	0.0129 mL	0.0647 mL	0.1294 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

Wilkinson RE, et al. Outcome analysis of colistin-treated burn center patients. Burns. 2017 Apr 11.

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