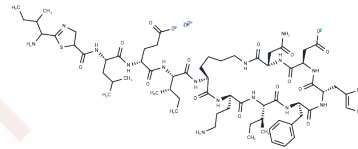


Bacitracin Zinc

Chemical Properties

CAS No. :	1405-89-6
Formula:	C ₆₆ H ₁₀₁ N ₁₇ O ₁₆ SZn
Molecular Weight:	1486.07
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	Bacitracin Zinc is an antibiotic that interferes with the dephosphorylation of C55-isoprenyl pyrophosphate, interference for inhibition of cleavage of Tyr from Met-enkephalin(IC ₅₀ =10 μM).
Targets(IC ₅₀)	Antibacterial, Antibiotic, c-Met/HGFR

Solubility Information

Solubility	DMSO: 100 mg/mL (67.29 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	0.6729 mL	3.3646 mL	6.7292 mL
5 mM	0.1346 mL	0.6729 mL	1.3458 mL
10 mM	0.0673 mL	0.3365 mL	0.6729 mL
50 mM	0.0135 mL	0.0673 mL	0.1346 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

Quinlan GJ, Gutteridge JM. Free Radic Res Commun. 1989;7(1):37-44.

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