Data Sheet (Cat.No.T1142)



Clindamycin phosphate

Chemical Properties

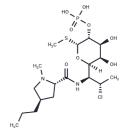
CAS No.: 24729-96-2

Formula: C18H34ClN2O8PS

Molecular Weight: 504.96

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Clindamycin Phosphate is the phosphate salt form of clindamycin, a semi-synthetic, chlorinated broad-spectrum antibiotic produced by chemical modification of lincomycin. Clindamycin phosphate (Clindamycin 2-dihydrogen phosphate) is used in topical preparations.
Targets(IC50)	ribosome,Antibacterial,Antibiotic,Parasite
In vivo	Sulpiride induces a short-term decrease in 5-hydroxyindoles followed by a long-term increase in 5-hydroxyindoles[1].

Solubility Information

Solubility	H2O: 10 mM,	
	DMSO: Insoluble,	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9804 mL	9.9018 mL	19.8035 mL
5 mM	0.3961 mL	1.9804 mL	3.9607 mL
10 mM	0.198 mL	0.9902 mL	1.9804 mL
50 mM	0.0396 mL	0.198 mL	0.3961 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

Röver S, et al. J Med Chem. 1997, 40(26), 4378-4385.

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