

Clindamycin phosphate hydrochloride

Chemical Properties

CAS No. :	64023-51-4
Formula:	C ₁₈ H ₃₅ Cl ₂ N ₂ O ₈ PS
Molecular Weight:	541.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	Clindamycin phosphate hydrochloride (Clindamycin 2-phosphate), a broad-spectrum bacteriostatic lincosamide antibiotic, serves as a prodrug of Clindamycin. It lacks antimicrobial activity in vitro; however, through phosphatase ester hydrolysis, it is rapidly converted to the active form, Clindamycin, in vivo. This compound is utilized in the research of acne and bacterial vaginosis [1] [2] [3].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.847 mL	9.235 mL	18.4699 mL
5 mM	0.3694 mL	1.847 mL	3.694 mL
10 mM	0.1847 mL	0.9235 mL	1.847 mL
50 mM	0.0369 mL	0.1847 mL	0.3694 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.

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