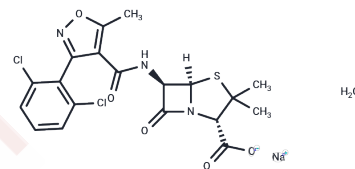


Dicloxacillin Sodium hydrate

Chemical Properties

CAS No. :	13412-64-1
Formula:	C ₁₉ H ₁₈ Cl ₂ N ₃ NaO ₆ S
Molecular Weight:	510.32
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dicloxacillin Sodium hydrate is a narrow-spectrum β -Lactam antibiotic of the penicillin class, used to treat infections caused by susceptible Gram-positive bacteria.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	H ₂ O: 22.73 mg/mL (44.54 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	1.9596 mL	9.7978 mL	19.5955 mL
5 mM	0.3919 mL	1.9596 mL	3.9191 mL
10 mM	0.196 mL	0.9798 mL	1.9596 mL
50 mM	0.0392 mL	0.196 mL	0.3919 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

Villegas-Guzman P, et al. J Environ Sci Health A Tox Hazard Subst Environ Eng. 2015;50(1):40-8.

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