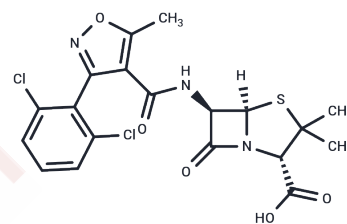


Dicloxacillin

Chemical Properties

CAS No. :	3116-76-5
Formula:	C ₁₉ H ₁₇ Cl ₂ N ₃ O ₅ S
Molecular Weight:	470.33
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 (INN), a narrow-spectrum β -Lactam antibiotic of the penicillin class, is used against beta-lactamase-producing organisms such as Staphylococcus aureus, which would otherwise be resistant to most penicillins.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	H ₂ O: Insoluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1262 mL	10.6308 mL	21.2617 mL
5 mM	0.4252 mL	2.1262 mL	4.2523 mL
10 mM	0.2126 mL	1.0631 mL	2.1262 mL
50 mM	0.0425 mL	0.2126 mL	0.4252 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.

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- Villegas-Guzman P, Silva-Agredo J, González-Gómez D, Giraldo-Aguirre AL, Flórez-Acosta O, Torres-Palma RA. Evaluation of water matrix effects, experimental parameters, and the degradation pathway during the TiO₂ photocatalytical treatment of the antibiotic dicloxacillin. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 2015; 50(1):40-8. doi: 10.1080/10934529.2015.964606. PubMed PMID: 25438130.

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