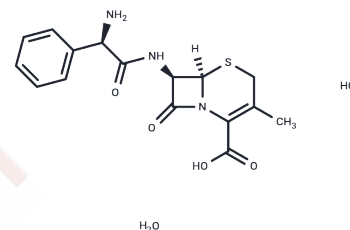


Cephalexin hydrochloride monohydrate

Chemical Properties

CAS No. :	105879-42-3
Formula:	C ₁₆ H ₂₀ ClN ₃ O ₅ S
Molecular Weight:	401.86
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	Cephalexin (Cefalexin) hydrochloride monohydrate is a potent, orally active, semisynthetic cephalosporin antibiotic with a broad antibacterial spectrum against gram-positive and gram-negative bacteria. It operates by targeting penicillin-binding proteins (PBPs) to inhibit bacterial cell wall synthesis and is utilized in research on various bacterial infections, including pneumonia, strep throat, and bacterial endocarditis [1] [2].
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4884 mL	12.4421 mL	24.8843 mL
5 mM	0.4977 mL	2.4884 mL	4.9769 mL
10 mM	0.2488 mL	1.2442 mL	2.4884 mL
50 mM	0.0498 mL	0.2488 mL	0.4977 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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