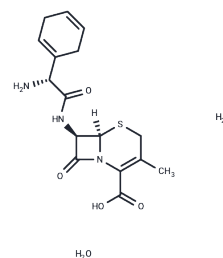


## Cephradine dihydrate

## Chemical Properties

CAS No. :	31828-50-9
Formula:	C <sub>16</sub> H <sub>23</sub> N <sub>3</sub> O <sub>6</sub> S
Molecular Weight:	385.44
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	Cephradine dihydrate is the hydrate form of Cephradine (free base), a semi-synthetic cephalosporin antibiotic. Cephradine inhibits the last stage of bacterial cell wall synthesis by binding to certain penicillin-binding proteins which results in cell lysis. Cell lysis is mediated by bacterial cell wall autolytic enzymes. Cephradine may interfere with autolysin inhibitors.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5944 mL	12.9722 mL	25.9444 mL
5 mM	0.5189 mL	2.5944 mL	5.1889 mL
10 mM	0.2594 mL	1.2972 mL	2.5944 mL
50 mM	0.0519 mL	0.2594 mL	0.5189 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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