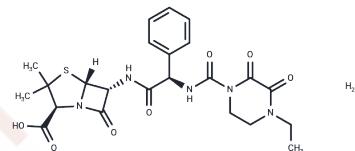


Piperacillin hydrate

Chemical Properties

CAS No. : 66258-76-2
 Formula: C₂₃H₂₉N₅O₈
 Molecular Weight: 535.57
 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	Piperacillin hydrate is a semisynthetic broad-spectrum β -lactam antibiotic. It exhibits potent bactericidal activity against Gram-negative bacteria and some Gram-positive bacteria by targeting penicillin-binding proteins. Piperacillin hydrate is frequently combined with the β -lactamase inhibitor Tazobactam for enhanced efficacy.
Targets(IC50)	Antibacterial, Antibiotic, Beta-lactamase, Penicillin-binding protein (PBP)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8672 mL	9.3358 mL	18.6717 mL
5 mM	0.3734 mL	1.8672 mL	3.7343 mL
10 mM	0.1867 mL	0.9336 mL	1.8672 mL
50 mM	0.0373 mL	0.1867 mL	0.3734 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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