

Zifanocycline

Chemical Properties

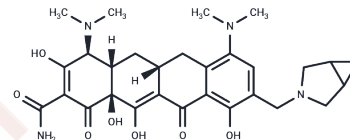
CAS No. : 1420294-56-9

Formula: C₂₉H₃₆N₄O₇

Molecular Weight: 552.62

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	Zifanocycline (KBP-7072), a third-generation semisynthetic aminomethylcycline antibiotic, inhibits bacterial ribosome function, displaying broad-spectrum antibacterial activity in vitro against both Gram-positive and Gram-negative bacteria, notably multidrug-resistant strains. It is formulated for oral and injectable use, targeting research on acute bacterial skin and skin structure infections, community-acquired bacterial pneumonia, and complicated intra-abdominal infections [1] [2].
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8096 mL	9.0478 mL	18.0956 mL
5 mM	0.3619 mL	1.8096 mL	3.6191 mL
10 mM	0.181 mL	0.9048 mL	1.8096 mL
50 mM	0.0362 mL	0.181 mL	0.3619 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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