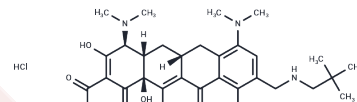


Omadacycline HCl

Chemical Properties

CAS No. :	1196800-39-1
Formula:	C ₂₉ H ₄₁ ClN ₄ O ₇
Molecular Weight:	593.118
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	Omadacycline, also known as PTK 0796 and Amadacyclin, is a novel first-in-class aminomethylcycline with potent activity against important skin and pneumonia pathogens, including community-acquired methicillin-resistant <i>Staphylococcus aureus</i> (MRSA), β -hemolytic streptococci, penicillin-resistant <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> , and <i>Legionella</i> . Omadacycline is active against strains expressing the two main forms of tetracycline resistance (efflux and ribosomal protection). The primary effect of omadacycline is on bacterial protein synthesis, inhibiting protein synthesis with a potency greater than that of tetracycline. The binding site for omadacycline is similar to that for tetracycline.
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.686 mL	8.430 mL	16.860 mL
5 mM	0.3372 mL	1.686 mL	3.372 mL
10 mM	0.1686 mL	0.843 mL	1.686 mL
50 mM	0.0337 mL	0.1686 mL	0.3372 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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