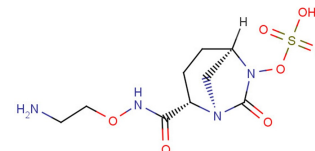


Nacubactam

Chemical Properties

CAS No.:	1452458-86-4
Formula:	C ₉ H ₁₆ N ₄ O ₇ S
Molecular Weight:	324.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nacubactam is a potent inhibitor of non- β -lactam- β -lactamase with activity against class A and class C β -lactamases.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.083 mL	15.417 mL	30.835 mL
5 mM	0.617 mL	3.083 mL	6.167 mL
10 mM	0.308 mL	1.542 mL	3.083 mL
50 mM	0.062 mL	0.308 mL	0.617 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Monogue ML, et al. In Vivo Efficacy of Meropenem with a Novel Non- β -Lactam- β -Lactamase Inhibitor, Nacubactam, against Gram-Negative Organisms Exhibiting Various Resistance Mechanisms in a Murine Complicated Urinary Tract Infection Model. *Antimicrob Agents Chemother.* 2018 Aug 27;62(9).
2. Livermore DM, et al. Activity of OP0595/ β -lactam combinations against Gram-negative bacteria with extended-spectrum, AmpC and carbapenem-hydrolysing β -lactamases. *J Antimicrob Chemother.* 2015 Nov;70(11):3032-41.

Inhibitors · Natural Compounds · Compound Libraries

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