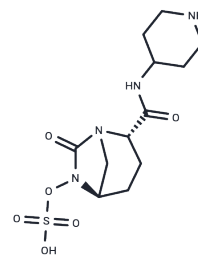


Relebactam

Chemical Properties

CAS No. :	1174018-99-5
Formula:	C ₁₂ H ₂₀ N ₄ O ₆ S
Molecular Weight:	348.38
Appearance:	no data available
Storage:	keep away from direct sunlight, keep away from moisture
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Relebactam (MK-7655) is a diazabicyclooctane inhibitor with activity against a wide spectrum of β -lactamases.
Targets(IC ₅₀)	Antibacterial

Solubility Information

Solubility	H ₂ O: 50 mg/mL (143.52 mM), Sonication is recommended. DMSO: 50 mg/mL (143.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8704 mL	14.3521 mL	28.7043 mL
5 mM	0.5741 mL	2.8704 mL	5.7409 mL
10 mM	0.287 mL	1.4352 mL	2.8704 mL
50 mM	0.0574 mL	0.287 mL	0.5741 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.

Reference

- Lapuebla A, et al. Activity of Imipenem with Relebactam against Gram-Negative Pathogens from New York City. *Antimicrob Agents Chemother*. 2015 Aug;59(8):5029-31.
- Bush K., et al. A resurgence of β -lactamase inhibitor combinations effective against multidrug-resistant Gram-negative pathogens. *Int J Antimicrob Agents*. 2015 Nov;46(5):483-93.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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