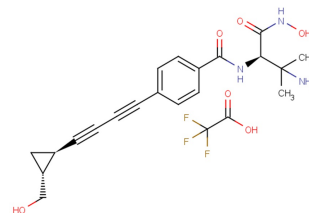


ACHN-975 TFA

Chemical Properties

CAS No.:	1410809-37-8
Formula:	C ₂₂ H ₂₄ F ₃ N ₃ O ₆
Molecular Weight:	483.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ACHN-975 TFA is a selective LpxC inhibitor with a subnanomolar inhibitory. It is against a wide range of gram-negative bacterias with low MIC values (≤ 1 μ g/mL).
Targets(IC ₅₀)	LpxC: 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	2.069 mL	10.343 mL	20.685 mL
5 mM	0.414 mL	2.069 mL	4.137 mL
10 mM	0.207 mL	1.034 mL	2.069 mL
50 mM	0.041 mL	0.207 mL	0.414 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. Kalinin DV, et al. Insights into the Zinc-Dependent Deacetylase LpxC: Biochemical Properties and Inhibitor Design. Curr Top Med Chem. 2016;16(21):2379-430.
2. Krause KM, et al. Potent LpxC Inhibitors with In Vitro Activity against Multidrug-Resistant Pseudomonas aeruginosa. Antimicrob Agents Chemother. 2019 Oct 22;63(11). pii: e00977-19.

Inhibitors · Natural Compounds · Compound Libraries

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