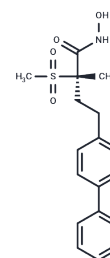


Antibacterial agent 171

Chemical Properties

CAS No. :	1354546-42-1
Formula:	C ₁₈ H ₂₁ NO ₄ S
Molecular Weight:	347.43
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	(2S)-4-biphenyl-4-yl-N-hydroxy-2-methyl-2-(methylsulfonyl)butanamide is a LpxC inhibitor with IC ₅₀ >95.2 nM.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (143.91 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	2.8783 mL	14.3914 mL	28.7828 mL
5 mM	0.5757 mL	2.8783 mL	5.7566 mL
10 mM	0.2878 mL	1.4391 mL	2.8783 mL
50 mM	0.0576 mL	0.2878 mL	0.5757 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.

Reference

Brown MF, et al. Potent inhibitors of LpxC for the treatment of Gram-negative infections. J Med Chem. 2012 Jan 26; 55(2):914-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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