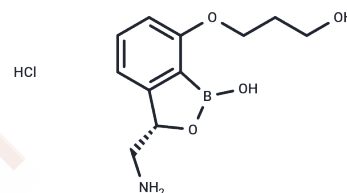


Epetraborole hydrochloride

Chemical Properties

CAS No. :	1234563-16-6
Formula:	C ₁₁ H ₁₇ BClNO ₄
Molecular Weight:	273.52
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	Epetraborole hydrochloride (GSK2251052 hydrochloride) is a potent and selective leucyl-tRNA synthetase inhibitor.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	H ₂ O: 28 mg/mL (102.37 mM), Sonication is recommended. DMSO: 150 mg/mL (548.41 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.656 mL	18.2802 mL	36.5604 mL
5 mM	0.7312 mL	3.656 mL	7.3121 mL
10 mM	0.3656 mL	1.828 mL	3.656 mL
50 mM	0.0731 mL	0.3656 mL	0.7312 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

- Goldstein EJ, et al. Comparative in vitro activities of GSK2251052, a novel boron-containing leucyl-tRNA synthetase inhibitor, against 916 anaerobic organisms. *Antimicrob Agents Chemother.* 2013 May;57(5):2401-4.
- O'Dwyer K et al. Bacterial resistance to leucyl-tRNA synthetase inhibitor GSK2251052 develops during treatment of complicated urinary tract infections. *Antimicrob Agents Chemother.* 2015 Jan;59(1):289-98.

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