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产品名称: **Epetraborole (hydrochloride)**

产品别名: **GSK2251052 hydrochloride**

生物活性:				
Description	Epetraborole hydrochloride is a novel leucyl-tRNA synthetase (LeuRS) inhibitor, which inhibits protein synthesis by binding "to the terminal adenosine ribose (A76) of leucyl-tRNA synthetase". It is intended for the treatment of infections caused by Gram-negative bacteria. Epetraborole hydrochloride is a bacteriostatic compound that can against a wide range of anaerobic and Gram-negative bacteria, including multidrug-resistant pathogens, such as extended-spectrum- β -lactamase-, metallo- β -lactamase-, and carbapenemase-producing organism.			
Solvent&Solubility	In Vitro: DMSO : H₂O : \geq 28 mg/mL (102.37 mM) * " \geq " means soluble, but saturation unknown.			
	Preparing Stock Solutions	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	3.6560 mL	18.2802 mL
		5 mM	0.7312 mL	3.6560 mL
		10 mM	0.3656 mL	1.8280 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。			
References	[1]. 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. [2]. 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.			