

WRR-483

Chemical Properties

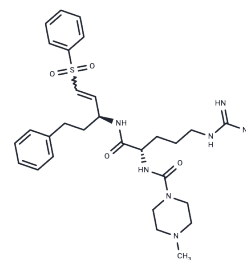
CAS No. : 1076088-50-0

Formula: C₂₉H₄₁N₇O₄S

Molecular Weight: 583.75

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	WRR-483, an analogue of K-11777, is a potent and selective cysteine protease inhibitor with trypanocidal activity in cell culture and animal model with comparable efficacy to K11777. WRR-483 demonstrates good potency against cruzain with sensitivity to pH conditions and high efficacy in the cell culture assay. Furthermore, WRR-483 also eradicates parasite infection in a mouse model of acute Chagas' disease. WRR-483 binds covalently to the active site cysteine of the protease in a similar manner as other vinyl sulfone-based inhibitors. WRR-483 has potential to be developed as a treatment for Chagas' disease.
Targets(IC50)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7131 mL	8.5653 mL	17.1306 mL
5 mM	0.3426 mL	1.7131 mL	3.4261 mL
10 mM	0.1713 mL	0.8565 mL	1.7131 mL
50 mM	0.0343 mL	0.1713 mL	0.3426 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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