

GSK3494245

Chemical Properties

CAS No. : 2080410-41-7

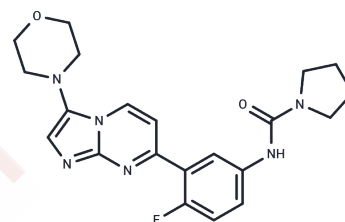
Formula: C₂₁H₂₃FN₆O₂

Molecular Weight: 410.44

Store at low temperature

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	GSK3494245 is a Leishmania donovani inhibitor that suppresses trypsin-like activity catalyzed by the β 5 subunit of L. donovani proteasome, applicable for visceral leishmaniasis (VL) studies.
Targets(IC50)	Proteasome,Parasite

Solubility Information

Solubility	DMSO: 80 mg/mL (194.91 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	2.4364 mL	12.182 mL	24.3641 mL
5 mM	0.4873 mL	2.4364 mL	4.8728 mL
10 mM	0.2436 mL	1.2182 mL	2.4364 mL
50 mM	0.0487 mL	0.2436 mL	0.4873 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

Wyllie S, et al. Preclinical candidate for the treatment of visceral leishmaniasis that acts through proteasome inhibition. Proc Natl Acad Sci U S A. 2019;116(19):9318-9323.

Thomas MG, et al. Identification of GSK3186899/DDD853651 as a Preclinical Development Candidate for the Treatment of Visceral Leishmaniasis. J Med Chem. 2019;62(3):1180-1202

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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