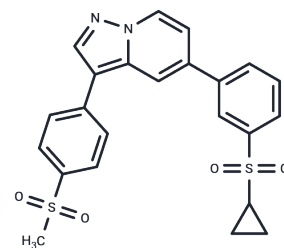


MMV674850

Chemical Properties

CAS No. : 1820874-51-8
 Formula: C₂₃H₂₀N₂O₄S₂
 Molecular Weight: 452.55
 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	MMV674850 exhibits potency against asexual stage parasites, with IC ₅₀ values of 2.7 and 4.5 nM. Furthermore, it demonstrates a preferential affinity for early-stage gametocytes, displaying an IC ₅₀ value of 4.5 ± 3.6 nM, compared to late-stage gametocytes with an IC ₅₀ value of 28.7 ± 0.2 nM.
Targets(IC ₅₀)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2097 mL	11.0485 mL	22.097 mL
5 mM	0.4419 mL	2.2097 mL	4.4194 mL
10 mM	0.221 mL	1.1049 mL	2.2097 mL
50 mM	0.0442 mL	0.221 mL	0.4419 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

Niemand J, et al. Chemogenomic Fingerprints Associated with Stage-Specific Gametocytocidal Compound Action against Human Malaria Parasites. ACS Infect Dis. 2021 Oct 8;7(10):2904-2916.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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