

BRD9185

Chemical Properties

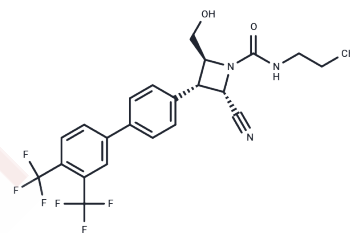
CAS No. : 2057420-29-6

Formula: C₂₃H₂₁F₆N₃O₂

Molecular Weight: 485.42

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	BRD9185 is an inhibitor of Dihydroorotate dehydrogenase (DHODH) with an EC ₅₀ of 16 nM against multidrug-resistant blood-stage parasites in vitro.
Targets(IC ₅₀)	Parasite, Dehydrogenase, DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0601 mL	10.3004 mL	20.6007 mL
5 mM	0.412 mL	2.0601 mL	4.1201 mL
10 mM	0.206 mL	1.030 mL	2.0601 mL
50 mM	0.0412 mL	0.206 mL	0.412 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

Maetani M, et al. Discovery of Antimalarial Azetidine-2-carbonitriles That Inhibit *P. falciparum* Dihydroorotate Dehydrogenase. ACS Med Chem Lett. 2017 Feb 27;8(4):438-442.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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