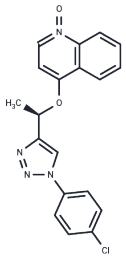
Data Sheet (Cat.No.T26463)

TargetMol

A110

Chemical Properties



CAS No. : 1185388-35-5

Formula: C19H15ClN4O2

Molecular Weight: 366.8

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	A110 is a potent and selective IMPDHs inhibitor. It binds to the NAD(+) cofactor site and forms a ternary complex with IMP.
Targets(IC50)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7263 mL	13.6314 mL	27.2628 mL
5 mM	0.5453 mL	2.7263 mL	5.4526 mL
10 mM	0.2726 mL	1.3631 mL	2.7263 mL
50 mM	0.0545 mL	0.2726 mL	0.5453 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

Wei Y, Kuzmič P, Yu R, Modi G, Hedstrom L. Inhibition of Inosine-5'-monophosphate Dehydrogenase from Bacillus anthracis: Mechanism Revealed by Pre-Steady-State Kinetics. Biochemistry. 2016 Sep 20;55(37):5279-88. doi: 10.1021/acs.biochem.6b00265. Epub 2016 Sep 2. PubMed PMID: 27541177; PubMed Central PMCID: PMC5524190.

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