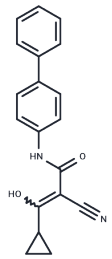
Data Sheet (Cat.No.T11547)

TargetMol

hDHODH-IN-2

Chemical Properties



CAS No. : 183946-00-1

Formula: C19H16N2O2

Molecular Weight: 304.349

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	hDHODH-IN-2, an analogue of the active metabolite of Leflunomide, is a human dihydroorotate dehydrogenase (hDHODH) inhibitor with anti-inflammatory activity.
Targets(IC50)	Others,Dehydrogenase,DNA/RNA Synthesis
In vitro	hDHODH-IN-2 ?inhibits rat and mouse DHODH with log(1/IC50) values of 5.83 and 5.80, respectively in self-organizing molecular field analysis (SOMFA).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2857 mL	16.4285 mL	32.8569 mL
5 mM	0.6571 mL	3.2857 mL	6.5714 mL
10 mM	0.3286 mL	1.6428 mL	3.2857 mL
50 mM	0.0657 mL	0.3286 mL	0.6571 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

Li SL, et al. 3D-QSAR studies on a series of dihydroorotate dehydrogenase inhibitors: analogues of the active metabolite of leflunomide. Int J Mol Sci. 2011;12(5):2982-93.
Shih KC, et al. Development of a human dihydroorotate dehydrogenase (hDHODH) pharma-similarity index approach with scaffold-hopping strategy for the design of novel potential inhibitors. PLoS One. 2014 Feb 4;9(2): e87960.

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