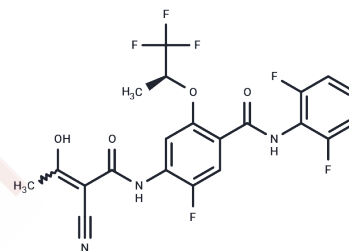


hDHODH-IN-8

Chemical Properties

CAS No. :	2757405-31-3
Formula:	C ₂₁ H ₁₅ F ₆ N ₃ O ₄
Molecular Weight:	487.35
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-8 is a potent inhibitor of human dihydroorotate dehydrogenase (hDHODH) with an IC ₅₀ of 16 nM, exhibiting significant antiproliferative activity and excellent aqueous solubility, and holds potential for tumor disease research, particularly lymphoma.
Targets(IC ₅₀)	Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0519 mL	10.2596 mL	20.5191 mL
5 mM	0.4104 mL	2.0519 mL	4.1038 mL
10 mM	0.2052 mL	1.026 mL	2.0519 mL
50 mM	0.041 mL	0.2052 mL	0.4104 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 C, et al. Design, Synthesis, and Biological Evaluation of a Novel Series of Teriflunomide Derivatives as Potent Human Dihydroorotate Dehydrogenase Inhibitors for Malignancy Treatment. *J Med Chem.* 2021;64(24):18175-18192.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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