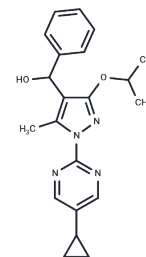


hDHODH-IN-4

Chemical Properties

CAS No. :	1644156-56-8
Formula:	C ₂₁ H ₂₄ N ₄ O ₂
Molecular Weight:	364.44
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-4 (DHODH-IN-5) is a potent inhibitor of human dihydrogen dehydrogenase (DHODH). For human recombinant DHODH, its pIC ₅₀ is 7.8. hDHODH-IN-4 inhibits measles virus replication with a pMIC ₅₀ of 8.8.
Targets(IC ₅₀)	Dehydrogenase,DNA/RNA Synthesis,Influenza Virus

Solubility Information

Solubility	DMSO: 112.5 mg/mL (308.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (13.72 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7439 mL	13.7197 mL	27.4394 mL
5 mM	0.5488 mL	2.7439 mL	5.4879 mL
10 mM	0.2744 mL	1.372 mL	2.7439 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 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

Munier-Lehmann H, et al. Original 2-(3-alkoxy-1H-pyrazol-1-yl)pyrimidine derivatives as inhibitors of human dihydroorotate dehydrogenase (DHODH). J Med Chem. 2015 Jan 22;58(2):860-77.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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