

DHODH-IN-23

Chemical Properties

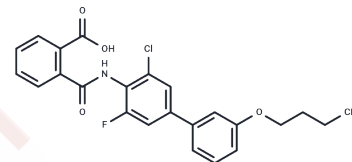
CAS No. : 1346705-53-0

Formula: C₂₄H₂₁ClFNO₄

Molecular Weight: 441.88

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	DHODH-IN-23 is a DHODH inhibitor with oral activity. DHODH-IN-23 is often used in cancer research.
Targets(IC50)	Dehydrogenase
In vitro	DHODH-IN-23 (72 h) inhibits proliferation of acute myeloid leukemia cells.[1] DHODH-IN-23 (0.1-3 μM; 72 h) induces the expression of CD11b in THP-1 cells.[1]
In vivo	DHODH-IN-23 (30 mg/kg; oral; twice daily for 21 days) exhibits anti-tumor activity in the MV411 xenograft mouse model.[1]

Solubility Information

Solubility	DMSO: 112.5 mg/mL (254.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2631 mL	11.3153 mL	22.6306 mL
5 mM	0.4526 mL	2.2631 mL	4.5261 mL
10 mM	0.2263 mL	1.1315 mL	2.2631 mL
50 mM	0.0453 mL	0.2263 mL	0.4526 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

Srikant Viswanadha, et al. Compositions comprising a dhodh inhibitor for the treatment of acute myeloid leukemia. Patent WO2021079273A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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