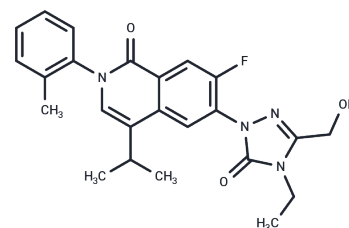


DHODH-IN-16

Chemical Properties

CAS No. : 2511248-11-4
Formula: C₂₄H₂₅FN₄O₃
Molecular Weight: 436.48
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DHODH-IN-16 is an effective inhibitor of dihydroorotate dehydrogenase (DHODH, IC ₅₀ = 0.396 nM for human).
Targets(IC ₅₀)	Dehydrogenase
In vitro	DHODH-IN-16 inhibited the growth of MOLM-13 cells effectively (IC ₅₀ = 0.2 nM) [1] .

Solubility Information

Solubility	DMSO: 95 mg/mL (217.65 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	2.2911 mL	11.4553 mL	22.9106 mL
5 mM	0.4582 mL	2.2911 mL	4.5821 mL
10 mM	0.2291 mL	1.1455 mL	2.2911 mL
50 mM	0.0458 mL	0.2291 mL	0.4582 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.

Reference

Scott Kuduk, et al. Dihydroorotate dehydrogenase inhibitors. WO2020212897A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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