

## hDHODH-IN-5

## Chemical Properties

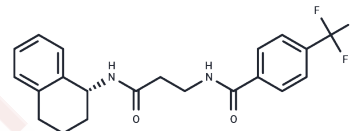
CAS No. : 2029049-77-0

Formula: C<sub>21</sub>H<sub>21</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 390.4

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-5 is an inhibitor of human dihydroorotate dehydrogenase (hDHODH, IC <sub>50</sub> = 0.91 μM).
Targets(IC <sub>50</sub> )	Dehydrogenase,DNA/RNA Synthesis
In vitro	hDHODH-IN-5 induces differentiation in ER-HOX-GFP, THP1, and U937 human AML cell lines with EC <sub>50</sub> s of 3.6, 2.7, and 2.5 μM, respectively[1].

## Solubility Information

Solubility	DMSO: 10 mg/mL (25.61 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	2.5615 mL	12.8074 mL	25.6148 mL
5 mM	0.5123 mL	2.5615 mL	5.123 mL
10 mM	0.2561 mL	1.2807 mL	2.5615 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

Lewis TA, et al. Development of ML390: A Human DHODH Inhibitor That Induces Differentiation in Acute Myeloid Leukemia. ACS Med Chem Lett. 2016 Sep 28;7(12):1112-1117.

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