

ML390

Chemical Properties

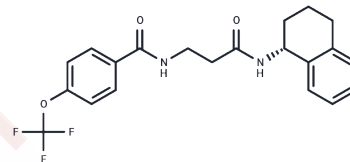
CAS No. : 2029049-79-2

Formula: C₂₁H₂₁F₃N₂O₃

Molecular Weight: 406.4

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	ML390 exerts its potent differentiation effect on multiple leukemia models.
Targets(IC50)	Dehydrogenase

Solubility Information

Solubility	DMSO: 27 mg/mL (66.44 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	2.4606 mL	12.3031 mL	24.6063 mL
5 mM	0.4921 mL	2.4606 mL	4.9213 mL
10 mM	0.2461 mL	1.2303 mL	2.4606 mL
50 mM	0.0492 mL	0.2461 mL	0.4921 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

Sykes DB et al. Discovering Small Molecules that Overcome Differentiation Arrest in Acute Myeloid Leukemia. National Center for Biotechnology Information (US); 2010-2013 Dec 15.

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