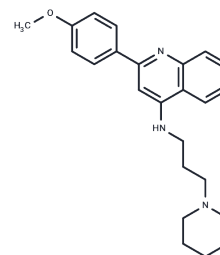


ML400

Chemical Properties

CAS No. : 1908414-42-5
 Formula: C₂₄H₂₉N₃O
 Molecular Weight: 375.51
 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	ML400 (CID73050863) is an allosteric inhibitor of LMPTP with an EC ₅₀ of 1 μM. ML400 displays good cell-based activity and rodent pharmacokinetics.
Targets(IC ₅₀)	Phosphatase

Solubility Information

Solubility	DMSO: 10 mg/mL (26.63 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	2.663 mL	13.3152 mL	26.6304 mL
5 mM	0.5326 mL	2.663 mL	5.3261 mL
10 mM	0.2663 mL	1.3315 mL	2.663 mL
50 mM	0.0533 mL	0.2663 mL	0.5326 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

Ardecky RJ, et al. Allosteric Small Molecule Inhibitors of LMPTP. 2014 Apr 15 [updated 2015 Jan 16]. Probe Reports from the NIH Molecular Libraries Program [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2010-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481