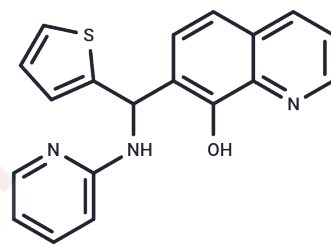


IMB-XH1

Chemical Properties

CAS No. : 292057-76-2
 Formula: C₁₉H₁₅N₃O₅
 Molecular Weight: 333.41
 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	IMB-XH1 (Mcl1-IN-2) is a myeloid cell factor 1 (Mcl-1) inhibitor.
Targets(IC50)	Bcl-2 Family, Antibacterial
In vitro	Mcl1-IN-2 is an inhibitor of Mcl-1, though without a reported IC50 value.

Solubility Information

Solubility	DMSO: 33.33 mg/mL (99.97 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	2.9993 mL	14.9966 mL	29.9931 mL
5 mM	0.5999 mL	2.9993 mL	5.9986 mL
10 mM	0.2999 mL	1.4997 mL	2.9993 mL
50 mM	0.060 mL	0.2999 mL	0.5999 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

Richard DJ, et al. Hydroxyquinoline-derived compounds and analoguing of selective Mcl-1 inhibitors using a functional biomarker. *Bioorg Med Chem.* 2013 Nov 1;21(21):6642-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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