Data Sheet (Cat.No.T16027)



Mcl1-IN-1

Chemical Properties

CAS No.: 713492-66-1

Formula: C23H18ClN3O4

Molecular Weight: 435.86

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Mcl1-IN-1 is a myeloid cell factor 1 inhibitor (IC50=2.4 μM).	
Targets(IC50)	Others	
In vitro	Mcl1-IN-1 is an Mcl-1 inhibitor, which shows good Mcl-1 inhibition (IC50=2.4 μ M). It also has no appreciable inhibition of Bcl-xL at 100 μ M.	

Solubility Information

Solubility DMSO: 50 mg/mL (114.72 mM),

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2943 mL	11.4716 mL	22.9431 mL
5 mM	0.4589 mL	2.2943 mL	4.5886 mL
10 mM	0.2294 mL	1.1472 mL	2.2943 mL
50 mM	0.0459 mL	0.2294 mL	0.4589 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

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.

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