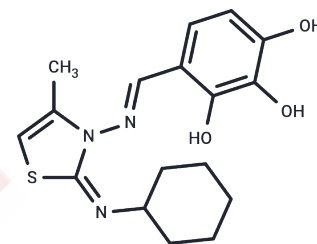


MIM1

Chemical Properties

CAS No. :	509102-00-5
Formula:	C17H21N3O3S
Molecular Weight:	347.43
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	MIM1 (Inhibitor of Mcl-1) is an myeloid cell factor 1 (Mcl-1) inhibitor.
Targets(IC50)	Bcl-2 Family
In vitro	MIM-1 specifically targets the BH3 binding groove of Mcl-1, inducing apoptosis in a Bak-dependent manner.

Solubility Information

Solubility	DMSO: 50 mg/mL (143.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.76 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8783 mL	14.3914 mL	28.7828 mL
5 mM	0.5757 mL	2.8783 mL	5.7566 mL
10 mM	0.2878 mL	1.4391 mL	2.8783 mL
50 mM	0.0576 mL	0.2878 mL	0.5757 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

Vidomanova E, et al. Microfluidic profiling of apoptosis-related genes after treatment with BH3-mimetic agents in astrocyte and glioblastoma cell lines. *Oncol Rep.* 2016 Dec;36(6):3188-3196.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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