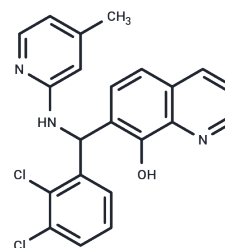


MMRi64

Chemical Properties

CAS No. :	430458-66-5
Formula:	C ₂₂ H ₁₇ Cl ₂ N ₃ O
Molecular Weight:	410.3
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	MMRi64 is a specific inhibitor of Mdm2-MdmX E3 ligase activity. MMRi64 potently induces p53 accumulation and apoptosis in the p53 pathway in leukemia/lymphoma cells, disrupts Mdm2-MdmX interactions, and downregulates Mdm2 and MdmX in leukemia cells. MMRi64 can be used in cancer research.
Targets(IC50)	Apoptosis, Mdm2, p53, MDM-2/p53

Solubility Information

Solubility	DMSO: 60 mg/mL (146.23 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (6.09 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	2.4372 mL	12.1862 mL	24.3724 mL
5 mM	0.4874 mL	2.4372 mL	4.8745 mL
10 mM	0.2437 mL	1.2186 mL	2.4372 mL
50 mM	0.0487 mL	0.2437 mL	0.4874 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

Wu W, et al. Targeting RING domains of Mdm2-MdmX E3 complex activates apoptotic arm of the p53 pathway in leukemia/lymphoma cells. Cell Death Dis. 2015;6(12):e2035.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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