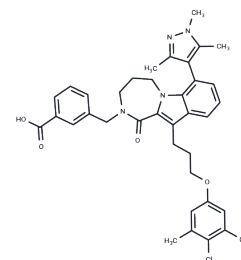


Mcl1-IN-9

Chemical Properties

CAS No. :	1810769-31-3
Formula:	C ₃₇ H ₃₉ ClN ₄ O ₄
Molecular Weight:	639.18
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	Mcl1-IN-9 is a potent myeloid cell leukemia-1 (Mcl-1) inhibitor, exhibiting an IC ₅₀ of 446 nM in reengineered BCR-ABL+ B-ALL cells and a K _i of 0.03 nM.
Targets(IC ₅₀)	Bcl-2 Family
In vitro	Mcl1-IN-9 effectively inhibits the proliferation of Mcl-1 dependent tumor cell lines at nanomolar concentrations.
In vivo	Mcl1-IN-9 inhibits the growth of triple-negative breast cancer xenografts and hematological malignancies at well-tolerated doses.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5645 mL	7.8225 mL	15.645 mL
5 mM	0.3129 mL	1.5645 mL	3.129 mL
10 mM	0.1565 mL	0.7823 mL	1.5645 mL
50 mM	0.0313 mL	0.1565 mL	0.3129 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

Lee T, et al, Discovery of Potent Myeloid Cell Leukemia-1 (Mcl-1) Inhibitors That Demonstrate in Vivo Activity in Mouse Xenograft Models of Human Cancer. J Med Chem. 2019 Apr 25;62(8):3971-3988.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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