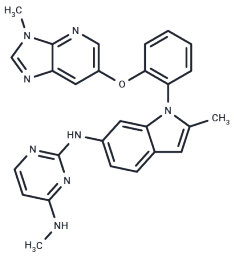
Data Sheet (Cat.No.T11082)

TargetMol

Dot1L-IN-2

Chemical Properties



CAS No. : 1940206-71-2

Formula: C27H24N8O

Molecular Weight: 476.53

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	Dot1l-in-2 is an effective, selective and oral bioutilization inhibitor of histone methyltransferase Dot1L, with IC50 and Ki of 0.4 nM and 0.08 nM, respectively.
Targets(IC50)	Histone Methyltransferase
In vitro	Dot1l-in-2 is an effective and selective Dot1L inhibitor with IC50 and Ki of 0.4 nM and 0.08 nM, respectively.Dot1l-in-2 effectively inhibits H3K79 dimethylation (IC50, 16 nM) and blocks the activity of the HoxA9 promoter (IC50, 340 nM) IN the cellular system. Dot1l-in-2 also significantly inhibited the proliferation of human mll-recombinant leukemia cell line mv4-11 carrying carcinogenic mll-af4 fusion (IC50, 128nm).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0985 mL	10.4925 mL	20.985 mL
5 mM	0.4197 mL	2.0985 mL	4.197 mL
10 mM	0.2099 mL	1.0493 mL	2.0985 mL
50 mM	0.042 mL	0.2099 mL	0.4197 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

Chen C, et al. Discovery of Novel Dot1L Inhibitors through a Structure-Based Fragmentation Approach. ACS Med Chem Lett. 2016 Jun 1;7(8):735-40.

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