

Dot1L-IN-1 TFA

Chemical Properties

CAS No. :

Formula: C34H37ClF3N9O4S

Molecular Weight: 760.23

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-1 TFA is a potent and selective Dot1L inhibitor, with a K_i of 2 μ M and an IC_{50} of <0.1 nM. It effectively inhibits H3K79 dimethylation (IC_{50} = 3 nM) and suppresses HoxA9 promoter activity (IC_{50} = 17 nM) in HeLa and Molm-13 cells, respectively [1].
Targets(IC_{50})	Others,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3154 mL	6.577 mL	13.1539 mL
5 mM	0.2631 mL	1.3154 mL	2.6308 mL
10 mM	0.1315 mL	0.6577 mL	1.3154 mL
50 mM	0.0263 mL	0.1315 mL	0.2631 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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