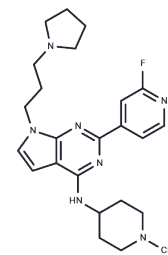


DNMT1-IN-5

Chemical Properties

CAS No. :	2982511-19-1
Formula:	C ₂₄ H ₃₂ FN ₇
Molecular Weight:	437.556
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	DNMT1-IN-5 (Compound 55) is an inhibitor of DNMT, specifically targeting DNMT1 and DNMT3A, with IC ₅₀ values of 2.42 μM and 14.4 μM, respectively. It demonstrates antiproliferative effects across various cancer cell lines (TMD-8, DOHH2, MOLM-13, THP-1, RPIM-8226, and HCT116) with IC ₅₀ values ranging from 0.19 to 2.37 μM. The compound induces G2/M phase cell cycle arrest and apoptosis in TMD-8 and DOHH2 cells. Additionally, DNMT1-IN-5 exhibits antitumor efficacy in a TMD-8 xenograft mouse model.
Targets(IC ₅₀)	Apoptosis, DNA Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2854 mL	11.427 mL	22.854 mL
5 mM	0.4571 mL	2.2854 mL	4.5708 mL
10 mM	0.2285 mL	1.1427 mL	2.2854 mL
50 mM	0.0457 mL	0.2285 mL	0.4571 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

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