

PRMT5-IN-31

Chemical Properties

CAS No. :

Formula: C₂₁H₂₄N₂O₂

Molecular Weight: 336.43

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	PRMT5-IN-31 (Compound 3m), a selective PRMT5 inhibitor (IC ₅₀ : 0.31 μM), increases hnRNP E1 protein levels by occupying the substrate site of PRMT5 and establishing key interactions with amino acid residues. It exhibits antiproliferative properties against A549 cells through induction of apoptosis and inhibition of cell migration, while demonstrating high metabolic stability in human liver microsomes (T _{1/2} : 132.4 min) [1].
Targets(IC ₅₀)	Apoptosis,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9724 mL	14.8619 mL	29.7239 mL
5 mM	0.5945 mL	2.9724 mL	5.9448 mL
10 mM	0.2972 mL	1.4862 mL	2.9724 mL
50 mM	0.0594 mL	0.2972 mL	0.5945 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