

Antiproliferative agent-25

Chemical Properties

CAS No. :

Formula: C₂₀H₂₁BrN₂O₂

Molecular Weight: 401.3

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	Antiproliferative Agent-25 (Compound 3s4) is a selective PRMT5 inhibitor displaying an IC ₅₀ of 0.11 μM. It elevates hnRNP E1 protein levels and forms hydrogen bond interactions with SAM and the E444 residue of PRMT5. This compound exhibits antiproliferative effects in A549 cells by inducing apoptosis and inhibiting migration, albeit it presents high clearance rates, with half-lives of 21.8 minutes in human liver microsomes and 4.7 minutes in rat liver microsomes [1].
Targets(IC ₅₀)	Apoptosis,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4919 mL	12.4595 mL	24.919 mL
5 mM	0.4984 mL	2.4919 mL	4.9838 mL
10 mM	0.2492 mL	1.246 mL	2.4919 mL
50 mM	0.0498 mL	0.2492 mL	0.4984 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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