

ZZM-1220

Chemical Properties

CAS No. :

Formula: C₂₅H₂₉N₅O₃

Molecular Weight: 447.53

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	ZZM-1220, a covalent inhibitor of histone lysine methyltransferase G9a/GLP, exhibits IC ₅₀ values of 458 nM for G9a and 924 nM for GLP. It effectively inhibits H3K9me ₂ in cells, induces apoptosis in triple-negative breast cancer (TNBC) cells, and arrests the cell cycle at the G ₂ /M phase [1].
Targets(IC ₅₀)	Apoptosis,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2345 mL	11.1724 mL	22.3449 mL
5 mM	0.4469 mL	2.2345 mL	4.469 mL
10 mM	0.2234 mL	1.1172 mL	2.2345 mL
50 mM	0.0447 mL	0.2234 mL	0.4469 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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