

GSK3368715

Chemical Properties

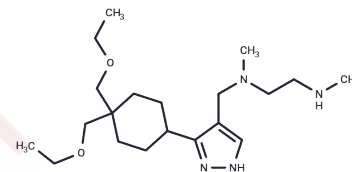
CAS No. : 1629013-22-4

Formula: C₂₀H₃₈N₄O₂

Molecular Weight: 366.54

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	GSK3368715 is an orally active, reversible, and S-adenosyl-L-methionine (SAM) uncompetitive type I protein arginine methyltransferases (PRMTs) inhibitor (IC ₅₀ s: 3.1 nM (PRMT1), 48 nM (PRMT3), 1148 nM (PRMT4), 5.7 nM (PRMT6), 1.7 nM (PRMT8)). It has strong anti-cancer activity.
Targets(IC ₅₀)	Histone Methyltransferase
In vitro	GSK3368715 shows 50% or more growth inhibition relative to DMSO-treated cells in the majority of 249 cancer cell lines, representing 12 tumor types.
In vivo	GSK3368715 markedly impacts the growth of BxPC3 xenografts across all examined doses, achieving a reduction in tumor growth of 78% and 97% for the 150 mg/kg and 300 mg/kg dose groups, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7282 mL	13.6411 mL	27.2822 mL
5 mM	0.5456 mL	2.7282 mL	5.4564 mL
10 mM	0.2728 mL	1.3641 mL	2.7282 mL
50 mM	0.0546 mL	0.2728 mL	0.5456 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.

Reference

Fedoriw A, et al. Anti-tumor Activity of the Type I PRMT Inhibitor, GSK3368715, Synergizes with PRMT5 Inhibition through MTAP Loss. Cancer Cell. 2019 Jul 8;36(1):100-114.e25.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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