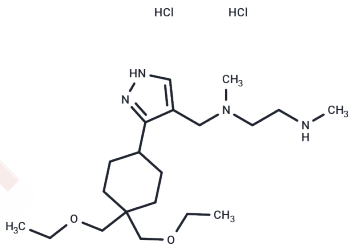
Data Sheet (Cat.No.T11500L)

TargetMol

GSK3368715 dihydrochloride

Chemical Properties



CAS No. : 1628925-77-8

Formula: C20H40Cl2N4O2

Molecular Weight: 439.46

Storage: Store at low temperature,Store under nitrogen
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 dihydrochloride (EPZ019997 dihydrochloride) is an orally active and potent inhibitor of type I protein arginine methyltransferases (PRMTs), including PRMT1, PRMT3, PRMT4, PRMT6, and PRMT8. It exhibits anticancer and antitumor activity and can be used to study advanced solid tumors.
Targets(IC50)	Histone Methyltransferase
In vitro	In the majority of 249 cancer cell lines representing 12 tumor types, GSK3368715 dihydrochloride (EPZ019997 dihydrochloride) exhibits 50% or more growth inhibition relative to DMSO-treated cells[1].
In vivo	GSK3368715 dihydrochloride (EPZ019997 dihydrochloride) markedly inhibits the growth of BxPC3 xenografts at all tested doses, achieving tumor growth reductions of 78% and 97% at 150 mg/kg and 300 mg/kg, respectively[1].

Solubility Information

Solubility	H2O: 100 mg/mL (227.55 mM),Sonication is recommended. DMSO: 100 mg/mL (227.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (9.1 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2755 mL	11.3776 mL	22.7552 mL
5 mM	0.4551 mL	2.2755 mL	4.551 mL
10 mM	0.2276 mL	1.1378 mL	2.2755 mL
50 mM	0.0455 mL	0.2276 mL	0.4551 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.