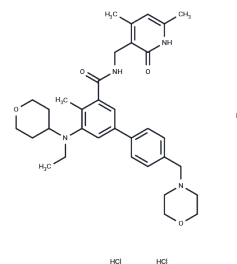


Tazemetostat trihydrochloride

Chemical Properties

CAS No. :	1403255-00-4
Formula:	C ₃₄ H ₄₇ Cl ₃ N ₄ O ₄
Molecular Weight:	682.12
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	Tazemetostat trihydrochloride is a selective and orally available inhibitor of EZH2 (IC ₅₀ : 4 nM for rat EZH2). It inhibits the activity of human PRC2-containing wild-type EZH2 (K _i : 2.5 nM). It inhibits EZH2 (IC ₅₀ s: 11 and 16 nM in peptide assay and nucleosome assay).
Targets(IC ₅₀)	Histone Methyltransferase
In vitro	Tazemetostat inhibits multi wild-type and mutant lymphoma cell lines proliferation (IC ₅₀ s: 0.49 nM-7.6 μM).
In vivo	Tazemetostat (250 or 500 mg/kg twice daily for 21-28 days) almost removes the fast-growing G401 tumors.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.466 mL	7.3301 mL	14.6602 mL
5 mM	0.2932 mL	1.466 mL	2.932 mL
10 mM	0.1466 mL	0.733 mL	1.466 mL
50 mM	0.0293 mL	0.1466 mL	0.2932 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

Knutson SK, et al. Durable tumor regression in genetically altered malignant rhabdoid tumors by inhibition of methyltransferase EZH2. Proc Natl Acad Sci U S A. 2013 May 7;110(19):7922-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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