

GSK467

Chemical Properties

CAS No. : 1628332-52-4

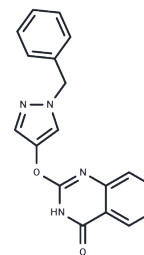
Formula: C17H13N5O2

Molecular Weight: 319.32

Store at low temperature

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	GSK467 is a potent and selective inhibitor of KDM5 (JARID1)(K_i : 10 nM).
Targets(IC50)	Histone Demethylase,Histone Methyltransferase

Solubility Information

Solubility	DMSO: 22.14 mg/mL (69.33 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: 2.21 mg/mL (6.92 mM),Solution. 10% DMSO+90% Saline: < 2.21 mg/mL (6.92 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1317 mL	15.6583 mL	31.3165 mL
5 mM	0.6263 mL	3.1317 mL	6.2633 mL
10 mM	0.3132 mL	1.5658 mL	3.1317 mL
50 mM	0.0626 mL	0.3132 mL	0.6263 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

Johansson C, et al. Structural analysis of human KDM5B guides histone demethylase inhibitor development. Nat Chem Biol. 2016 Jul;12(7):539-45.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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