

KDM4-IN-2

Chemical Properties

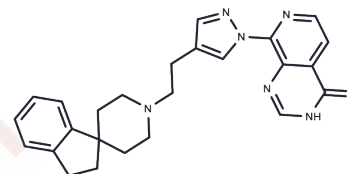
CAS No. : 2369607-62-3

Formula: C₂₅H₂₆N₆O

Molecular Weight: 426.51

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	KDM4-IN-2 is a potent and selective KDM4/KDM5 dual inhibitor with Kis of 4 and 7 nM for KDM4A and KDM5B, respectively.
Targets(IC50)	Histone Demethylase, Glucokinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3446 mL	11.7231 mL	23.4461 mL
5 mM	0.4689 mL	2.3446 mL	4.6892 mL
10 mM	0.2345 mL	1.1723 mL	2.3446 mL
50 mM	0.0469 mL	0.2345 mL	0.4689 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

Le Bihan YV, et al. C8-substituted pyrido[3,4-d]pyrimidin-4(3H)-ones: Studies towards the identification of potent, cell penetrant Jumonji C domain containing histone lysine demethylase 4 subfamily (KDM4) inhibitors, compound profiling in cell-based target engagement assays. Eur J Med Chem. 2019 Sep 1;177:316-337.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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