

GSK-J2

Chemical Properties

CAS No. : 1394854-52-4

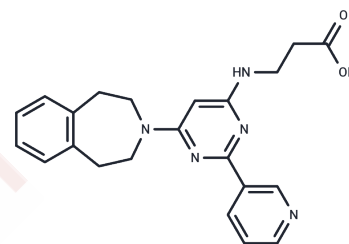
Formula: C₂₂H₂₃N₅O₂

Molecular Weight: 389.45

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	GSK-J2 is an inactive enantiomer of GSK-J1 that is lipophilic and serves as an inactive control for GSK-J21.
Targets(IC50)	Histone Demethylase,Others
In vitro	GSK-J2, an isomer of GSK-J1, does not have any specific activity and is less active against KDM6A and KDM6B, with IC50s greater than 100 μM and 49 μM, respectively. [1]

Solubility Information

Solubility	DMSO: 30 mg/mL (77.03 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5677 mL	12.8386 mL	25.6772 mL
5 mM	0.5135 mL	2.5677 mL	5.1354 mL
10 mM	0.2568 mL	1.2839 mL	2.5677 mL
50 mM	0.0514 mL	0.2568 mL	0.5135 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

Heinemann B, et al. Inhibition of demethylases by GSK-J1/J4. Nature. 2014 Oct 2;514(7520):E1-2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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