Data Sheet (Cat.No.T73407)

TargetMol

JNJ-9350

Chemical Properties

CAS No. : 326923-09-5

Formula: C25H22N6O

Molecular Weight: 422.48

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	JNJ-9350 is a chemical probe that effectively inhibits spermine oxidase (SMOX) with an IC_{50} of 0.01 μM; it also inhibits polyamine oxidase (PAO) with an IC_{50} of 0.79 μM, and can be applied to tumor research.
Targets(IC50)	Histone Demethylase
In vitro	Methods: In vitro enzyme activity inhibition assays and binding kinetic experiments were performed to determine the inhibitory activity of JNJ-9350 against SMOX, PAO and LSD1, as well as its binding affinity to SMOX. Results: : 1.JNJ-9350 (0-100 μM) exhibited inhibitory effects on SMOX, PAO and LSD1, with corresponding IC_{50} values of 10 nM, 790 nM and >60 μM, respectively. 2.JNJ-9350 (1.1-70 μM) could bind to SMOX with an inhibition constant Ki of 9.9 nM [1].

Solubility Information

Solubility	DMSO: 4 mg/mL (9.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.367 mL	11.8349 mL	23.6698 mL
5 mM	0.4734 mL	2.367 mL	4.734 mL
10 mM	0.2367 mL	1.1835 mL	2.367 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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

SMOx PROBE PROPOSAL

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