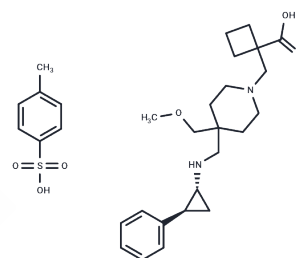


INCB059872 tosylate

Chemical Properties

CAS No. :	2081940-67-0
Formula:	C37H50N2O9S2
Molecular Weight:	730.932
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	INCB059872, also known as INCB59872, is a potent, selective, and orally active lysine-specific demethylase 1 inhibitor. INCB059872 binds to and inhibits LSD1, a demethylase that suppresses the expression of target genes by converting the di- and mono-methylated forms of lysine at position 4 of histone H3 (H3K4) to mono- and unmethylated H3K4, respectively, through amine oxidation. LSD1 inhibition enhances H3K4 methylation and increases the expression of tumor-suppressor genes. In addition, LSD1 demethylates mono- or di-methylated H3K9 which increases gene expression of tumor promoting genes; inhibition of LSD1 promotes H3K9 methylation and decreases transcription of these genes.
Targets(IC50)	Histone Demethylase,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3681 mL	6.8406 mL	13.6812 mL
5 mM	0.2736 mL	1.3681 mL	2.7362 mL
10 mM	0.1368 mL	0.6841 mL	1.3681 mL
50 mM	0.0274 mL	0.1368 mL	0.2736 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481