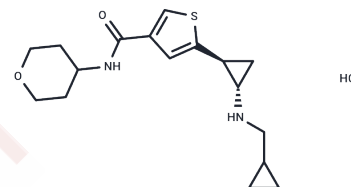


Anticonvulsant agent 10 HCl

Chemical Properties

CAS No. :	1818253-48-3
Formula:	C17H25ClN2O2S
Molecular Weight:	356.91
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	5-[(1S,2S)-2-[(Cyclopropylmethyl)amino]cyclopropyl]-N-(tetrahydro-2H-pyran-4-yl)thiophene-3-carboxamide hydrochloride is a cyclopropanoid enzyme compound that acts as a lysine-specific demethylase-1 inhibitor for schizophrenia, developmental disorders, and neurodegenerative diseases.
Targets(IC50)	Histone Demethylase,Others

Solubility Information

Solubility	DMSO: 55 mg/mL (154.1 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	2.8018 mL	14.0091 mL	28.0183 mL
5 mM	0.5604 mL	2.8018 mL	5.6037 mL
10 mM	0.2802 mL	1.4009 mL	2.8018 mL
50 mM	0.056 mL	0.2802 mL	0.5604 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

Hattori Y, et al. Design, synthesis, and structure-activity relationship of TAK-418 and its derivatives as a novel series of LSD1 inhibitors with lowered risk of hematological side effects. *Eur J Med Chem.* 2022;239:114522.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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