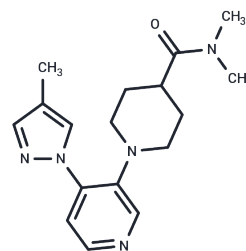


Cholesterol 24-hydroxylase-IN-1

Chemical Properties

CAS No. :	1613480-70-8
Formula:	C17H23N5O
Molecular Weight:	313.40
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	Cholesterol 24-hydroxylase-IN-1 is an orally active, selective, and potent inhibitor of cholesterol 24-hydroxylase (CH24H or CYP46A1) that crosses the blood-brain barrier. Cholesterol 24-hydroxylase-IN-1 may be useful in the study of epilepsy-like neurological disorders. Cholesterol 24-hydroxylase-IN-1 is used to study epilepsy-like neurological diseases.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 80 mg/mL (255.26 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	3.1908 mL	15.9541 mL	31.9081 mL
5 mM	0.6382 mL	3.1908 mL	6.3816 mL
10 mM	0.3191 mL	1.5954 mL	3.1908 mL
50 mM	0.0638 mL	0.3191 mL	0.6382 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

Kajita Y, et al. Discovery of Novel 3-Piperidinyl Pyridine Derivatives as Highly Potent and Selective Cholesterol 24-Hydroxylase (CH24H) Inhibitors. J Med Chem. 2022;65(4):3343-3358.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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