# Data Sheet (Cat.No.T11964)



## MCH-1 antagonist 1

#### **Chemical Properties**

CAS No.: 1039825-68-7

Formula: C25H26N4O2

Molecular Weight: 414.5

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### **Biological Description**

Description	MCH-1 antagonist 1 also inhibits CYP3A4 (IC50: 10μM).MCH-1 antagonist 1 is a potent melanin concentrating hormone (MCH-1) antagonist (Ki: 2.6 nM).		
Targets(IC50)	P450		
In vitro	MCH-1 antagonist 1 also inhibits cytochrome P450 3A4 (CYP3A4) (IC50:10 μM).		
In vivo	The pharmacokinetic profile of MCH-1 antagonist 1 was assessed through its administration to male C57BL/6J DIO mice at a dosage of 30 mg/kg (po). This assessment focused on its impact on body weight, evidenced by an AUC0-6h of 14760 h*ng/mL.		

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	2.4125 mL	12.0627 mL	24.1255 mL
5 mM	0.4825 mL	2.4125 mL	4.8251 mL
10 mM	0.2413 mL	1.2063 mL	2.4125 mL
50 mM	0.0483 mL	0.2413 mL	0.4825 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.

#### Reference

Henderson AJ, et al. Tetrahydrocarboline analogs as MCH-1 antagonists. Bioorg Med Chem Lett. 2010 Dec 1;20 (23):7024-8.

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