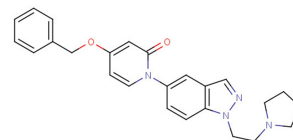


## MCH-1 antagonist 1

## Chemical Properties

CAS No.:	1039825-68-7
Formula:	C <sub>25</sub> H <sub>26</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	414.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	MCH-1 antagonist 1 also inhibits CYP3A4 (IC <sub>50</sub> : 10 μM). MCH-1 antagonist 1 is a potent melanin concentrating hormone (MCH-1) antagonist (K <sub>i</sub> : 2.6 nM).
Targets(IC <sub>50</sub> )	CYP3A4: 10 μM MCH-1: 2.6 nM (K <sub>i</sub> )
In vitro	MCH-1 antagonist 1 also inhibits cytochrome P450 3A4 (CYP3A4) (IC <sub>50</sub> : 10 μM).
In vivo	Effect of MCH-1 antagonist 1 (dosed at 30 mg/kg, po) is measured on the body weight of DIO mice with the AUC <sub>0-6 h</sub> of 14760 h*ng/mL. MCH-1 antagonist 1 is administered to male C57BL/6J DIO mice to assess their pharmacokinetic profile.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.413 mL	12.063 mL	24.125 mL
5 mM	0.483 mL	2.413 mL	4.825 mL
10 mM	0.241 mL	1.206 mL	2.413 mL
50 mM	0.048 mL	0.241 mL	0.483 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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