

# MCH-1 antagonist 1

Catalog No: tcsc0018482



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

1039825-68-7

**Formula:**

$C_{25}H_{26}N_4O_2$

**Pathway:**

Metabolic Enzyme/Protease;GPCR/G Protein

**Target:**

Cytochrome P450;MCHR1 (GPR24)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

414.5

## Product Description

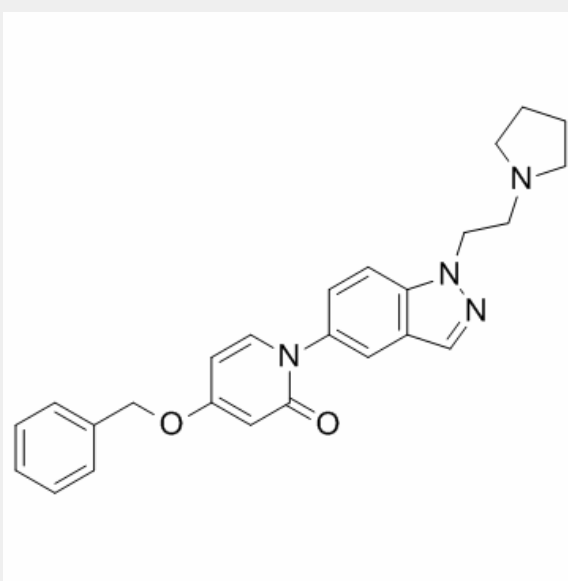
MCH-1 antagonist 1 is a potent melanin concentrating hormone (**MCH-1**) antagonist with a **K<sub>i</sub>** of 2.6 nM. MCH-1 antagonist 1 also inhibits **CYP3A4** with an **IC<sub>50</sub>** of 10 μM.

IC<sub>50</sub> & Target: Ki: 2.6 nM (MCH-1)<sup>[1]</sup>

IC<sub>50</sub>: 10 μM (CYP3A4)<sup>[1]</sup>

***In Vitro:*** MCH-1 antagonist 1 (Compound 1) also inhibits cytochrome P450 3A4 (CYP3A4) with an IC<sub>50</sub> of 10 μM<sup>[1]</sup>.

***In Vivo:*** MCH-1 antagonist 1 is administered to male C57BL/6J DIO mice to assess their pharmacokinetic profile. 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<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!