

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

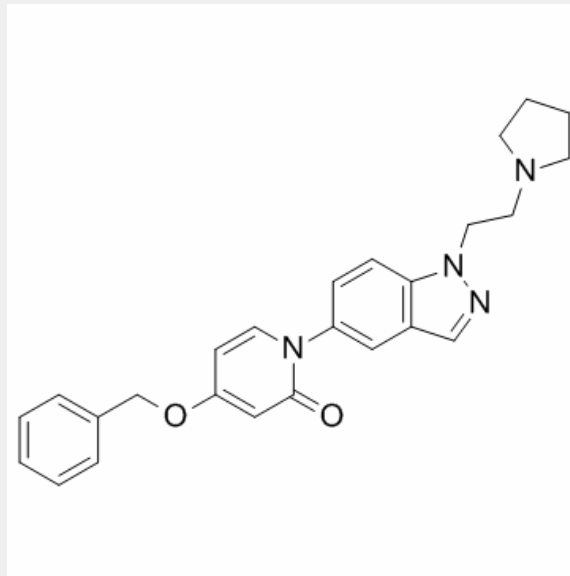
MCH-1 antagonist 1 is a potent melanin concentrating hormone (**MCH-1**) antagonist with a **K_i** of 2.6 nM. MCH-1 antagonist 1 also inhibits **CYP3A4** with an **IC₅₀** of 10 μM.

IC₅₀ & Target: Ki: 2.6 nM (MCH-1)^[1]

IC₅₀: 10 μM (CYP3A4)^[1]

In Vitro: MCH-1 antagonist 1 (Compound 1) also inhibits cytochrome P450 3A4 (CYP3A4) with an IC₅₀ of 10 μM^[1].

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_{0-6 h} of 14760 h*ng/mL^[1].



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