

MK-8617

Catalog No: tcsc0020731



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

1187990-87-9

Formula:

$C_{24}H_{21}N_5O_4$

Pathway:

Metabolic Enzyme/Protease

Target:

HIF/HIF Prolyl-Hydroxylase

Purity / Grade:

>98%

Solubility:

DMSO : 6 mg/mL (13.53 mM; Need ultrasonic)

Observed Molecular Weight:

443.45

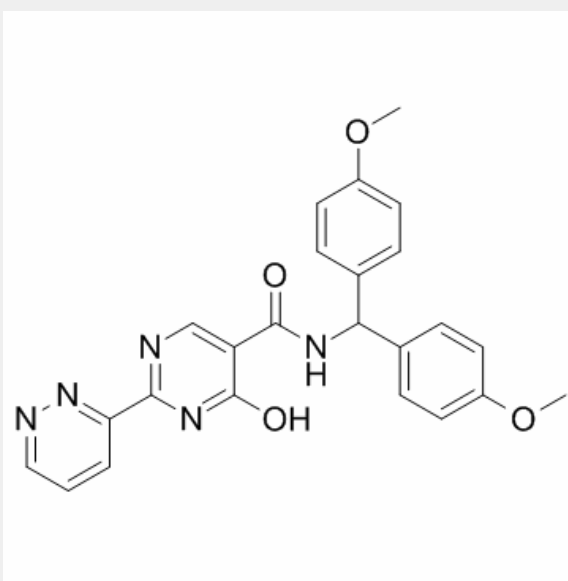
Product Description

MK-8617 is an orally active pan-inhibitor of hypoxia-inducible factor prolyl hydroxylase 1-3 (**HIF PHD1-3**) with an **IC₅₀** of 1 nM for **PHD2**.

IC50 & Target: IC50: 1 nM (PHD2)^[1]

In Vitro: MK-8617 is an orally active pan-inhibitor of hypoxia-inducible factor prolyl hydroxylase 1-3 (HIF PHD1-3) with an IC₅₀ of 1 nM for PHD2. MK-8617 is not a significant inhibitor of the cytochrome p450 enzymes *in vitro* (IC₅₀), CYP1A2, 3A4, 2B6, 2C9, 2C19, or 2D6, >60 μM, and is a moderate reversible inhibitor of CYP2C8 at 1.6 μM *in vitro*. The IC₅₀ of MK-8617 is determined for factor inhibiting HIF (FIH) to be 18 μM^[1].

In Vivo: Tritiated MK-8617 exhibits minimal metabolic turnover in liver microsomes from rat, dog, and monkey ([1]).



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