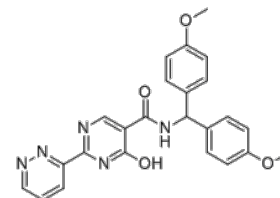


Product Name : MK-8617
Cat. No. : PC-60308
CAS No. : 1187990-87-9
Molecular Formula : C₂₄H₂₁N₅O₄
Molecular Weight : 443.45
Target : HIF/HIF Prolyl-hydroxylase
Solubility : 10 mM in DMSO



Biological Activity

MK-8617 is a potent, orally active pan-inhibitor of HIF prolyl hydroxylase (**HIF-PHD**) with IC₅₀ of 1.0, 1.0, and 14 nM for HIF-PHD1, 2, and 3, respectively.

MK-8617 shows no significant inhibition on the cytochrome p450 enzymes.

MK-8617 exhibits good oral bioavailability, causes increases in circulating reticulocytes in mice and has potential for treatment of anemia.

References

Debenham JS, et al. *J Med Chem*. 2016 Dec 22;59(24):11039-11049.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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