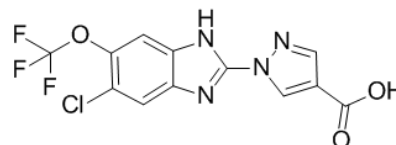


Product Name : JNJ-42041935
Cat. No. : PC-43241
CAS No. : 1193383-09-3
Molecular Formula : C₁₂H₆ClF₃N₄O₃
Molecular Weight : 346.6493
Target : HIF/HIF Prolyl-hydroxylase
Solubility : DMSO: ≥ 36 mg/mL



Biological Activity

JNJ-42041935 is a potent, selective, 2-OG-competitive, reversible inhibitor of **HIF-PHD** with pKi of 7.91, 7.29 and 7.65 for PHD1, PHD2 and PHD3, respectively.

JNJ-42041935 shows highly selectivity for PHD relative to FIH (pIC₅₀=4.0).

JNJ-42041935 is approximately equipotent in the HIF-1α accumulation and erythropoietin secretion assays in Hep3B cells as DMOG and 3,4-EDHB.

JNJ-42041935 reverses inflammation-induced anemia at dose of 100 μmol/kg, whereas erythropoietin has no effect.

References

Barrett TD, et al. *Mol Pharmacol*. 2011 Jun;79(6):910-20.

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

E-mail: tech@probechem.com