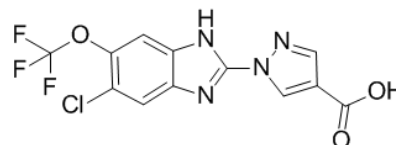


Product Name : JNJ-42041935
Cat. No. : PC-43241
CAS No. : 1193383-09-3
Molecular Formula : C₁₂H₆ClF₃N₄O₃
Molecular Weight : 346.6493
Target : HIF/HIF Prolyl-hydroxylase
Solubility : DMSO: ≥ 36 mg/mL



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; shows highly selectivity for PHD relative to FIH (pIC₅₀=4.0); JNJ-42041935 is approximately equipotent in the HIF-1 α accumulation and erythropoietin secretion assays in Hep3B cells as DMOG and 3,4-EDHB; reverses inflammation-induced anemia at dose of 100 μ mol/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