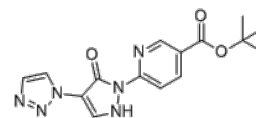


Product Name : IOX4
Cat. No. : PC-35269
CAS No. : 1154097-71-8
Molecular Formula : C₁₅H₁₆N₆O₃
Molecular Weight : 328.3
Target : HIF/HIF Prolyl-hydroxylase
Solubility : 10 mM in DMSO



Biological Activity

IOX4 (PHD2 inhibitor IOX4) is a potent, selective inhibitor of prolyl hydroxylase domain enzyme **PHD2** with IC₅₀ of 1.6 nM, displays >1,000-fold selectivity for PHD2 over other 2OG-dependent dioxygenases.

IOX4 inhibits prolyl hydroxylation and increases HIF-1α levels in cells (IC₅₀=5.6 to 11.7 μM), also induces HIF-1α and HIF-2α expression in mice.

References

Chan MC, et al. *PLoS One*. 2015 Jul 6;10(7):e0132004.

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

E-mail: tech@probechem.com