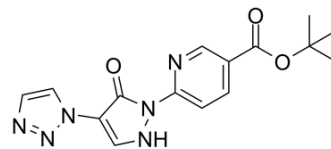


IOX4

Cat. No.:	HY-120110
CAS No.:	1154097-71-8
Molecular Formula:	C ₁₅ H ₁₆ N ₆ O ₃
Molecular Weight:	328.33
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	IOX4 is a selective HIF prolyl-hydroxylase 2 (PHD2) inhibitor with an IC ₅₀ value of 1.6 nM, induces HIF α in cells and in wildtype mice with marked induction in the brain tissue. IOX4 competes with and displaces 2-oxoglutarate (2OG) at the active site of PHD2 ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.6 nM (PHD2) ^[1]
In Vitro	IOX4 (1-100 μ M; 5 hours) determines the EC ₅₀ s for HIF1 α induction are 114 μ M, 86 μ M and 49.5 μ M in MCF-7, Hep3B and U2OS, respectively ^[1] .

REFERENCES

[1]. Chan MC, et al. Potent and Selective Triazole-Based Inhibitors of the Hypoxia-Inducible Factor Prolyl-Hydroxylases with Activity in the Murine Brain. PLoS One. 2015 Jul 6;10(7):e0132004.

Caution: Product has not been fully validated for medical applications. For research use only.

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