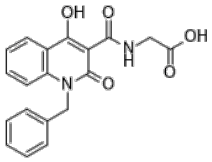
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	IOX2
Cat. No.	:	PC-28710
CAS No.	:	931398-72-0
Molecular Formula	:	$C_{19}H_{16}N_2O_5$
Molecular Weight	:	352.35
Target	:	HIF/HIF Prolyl-hydroxylase
Solubility	:	10 mM in DMSO



Biological Activity

IOX2 is a hypoxia-mimicking compound and specific prolyl hydroxylase-2 (**PHD2**) inhibitor with IC50 of 22 nM, promotes articular chondrocyte differentiation, regulates platelet function and arterial thrombosis by upregulating HIF-1α expression and inhibiting ROS production.

References

Sen A, et al. ***PLoS One***. 2013 Nov 11;8(11):e78684.

Cheng S, et al. ***Sci Rep***. 2017 Mar 28;7:45408.

Deppe J, et al. ***Arch Toxicol***. 2016 May;90(5):1141-50.

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

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