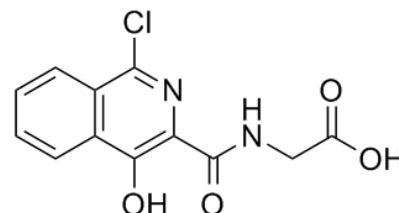


Product Name : FG-2216
Cat. No. : PC-44597
CAS No. : 223387-75-5
Molecular Formula : C₁₂H₉ClN₂O₄
Molecular Weight : 280.66
Target : HIF/HIF Prolyl-hydroxylase
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

FG-2216 (YM-311, IOX3) is a potent, selective small molecule inhibitor of **HIF prolyl hydroxylase** (HIF-PHD) with IC₅₀ of 3.9 nM (PHD2).

FG-2216 decreases protein expression of DNA/RNA demethylase FTO (in C2C12 cells) and reduces maximal respiration rate in vitro.

FG-2216 up-regulates HIF-1 α and increases erythropoietin expression in mice, also significantly reduces bone mineral density and content and alter adipose tissue distribution in mice.

FG-2216 is orally bioavailable and induced significant and reversible Epo induction in vivo.

References

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Hsieh MM, et al. *Blood*. 2007 Sep 15;110(6):2140-7.

Aik W, et al. *Nucleic Acids Res*. 2014 Apr;42(7):4741-54.

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

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