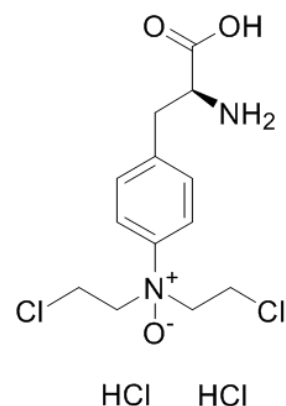


Product Name : PX-478
Cat. No. : PC-42474
CAS No. : 685898-44-6
Molecular Formula : C₁₃H₂₀Cl₄N₂O₃
Molecular Weight : 394.1215
Target : HIF/HIF Prolyl-hydroxylase
Solubility : H₂O: ≥ 35 mg/mL



Biological Activity

PX-478 is a potent, selective inhibitor of **HIF-1α** and HIF-1 transcription factor activity.

PX-478 inhibits the hypoxia-induced increase in HIF-1α protein in PC-3, MCF-7, HT-29 and Panc-1 with IC₅₀ of 3.9, 4.0, 19.4 and 10.1 nM, respectively.

PX-478 suppresses HIF-1α levels in HT-29 human colon cancer xenografts and inhibits the expression of HIF-1 target genes including VEGFR and the glucose transporter-1.

References

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Jordan BF, et al. *Neoplasia.* 2005 May;7(5):475-85.

Koh MY, et al. *Mol Cancer Ther.* 2008 Jan;7(1):90-100.

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

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