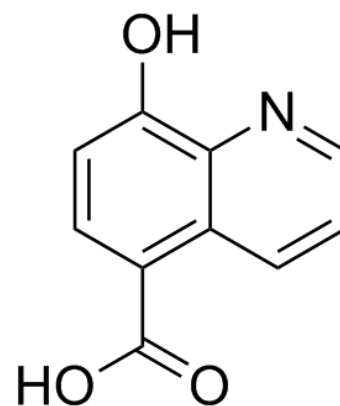


Product Name : IOX1
Cat. No. : PC-42967
CAS No. : 5852-78-8
Molecular Formula : C₁₀H₇NO₃
Molecular Weight : 189.1675
Target : Histone Demethylase
Solubility : DMSO: 24 mg/mL



Biological Activity

IOX1 is a potent, broad-spectrum inhibitor of **2OG oxygenases**, including the JmjC demethylases, with IC₅₀ of <1 uM against the **KDM3**, **KDM4** and **KDM6**, 5-25 uM against the KDM5 and KDM2/7.

IOX1 is less potent against BBOX1 (IC₅₀=196 uM); chelates to Fe(II) in the active site of 2OG oxygenases.

IOX1 suppresses the proliferation and migration of vascular smooth muscle cells induced by angiotensin II.

References

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Mettananda S, et al. *Haematologica*. 2017 Mar;102(3):e80-e84.

Hopkinson RJ, et al. *Chem Sci*. 2013 Aug 1;4(8):3110-3117.

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

E-mail: tech@probechem.com