

IOX1

Catalog No: tcsc3370



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

5852-78-8

Formula:

$C_{10}H_7NO_3$

Pathway:

Epigenetics

Target:

Histone Demethylase

Purity / Grade:

>98%

Solubility:

DMSO : 13.33 mg/mL (70.47 mM; Need ultrasonic and warming)

Observed Molecular Weight:

189.17

Product Description

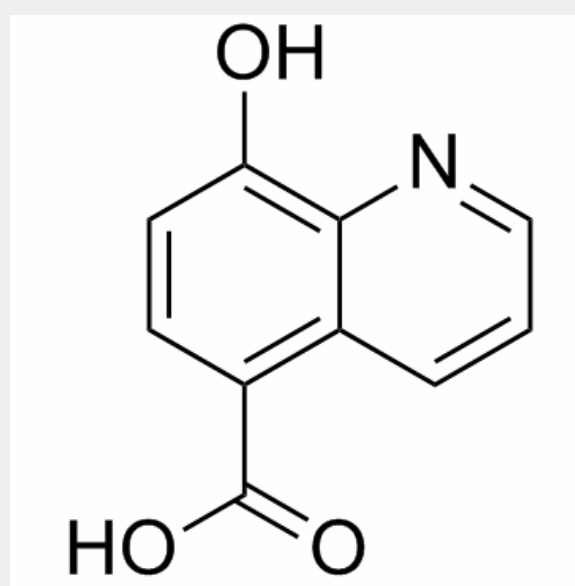
IOX1 is the most potent broad-spectrum inhibitor of 2OG oxygenases, including the JmjC demethylases; IC50 for KDM4A/KDM3A is 0.6/0.1 μ M.

IC50 value: 0.6/0.1 μ M(KDM4A/KDM3A) [1]

Target: JmjC KDMs inhibitor

IOX1 is the most potent against a representative panel of 2OG oxygenases, including non-JmjC 2OG oxygenases, with an in vitro IC50 value in the micromolar range. However, its efficacy in cells is about a hundred-fold lower (HeLa cells, KDM4A, IC50 = 86 μ M), possibly due to low cell permeability resulting from its

polar C-5 carboxyl group.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!