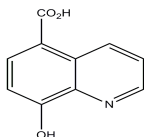


**PRODUCT: IOX1****ALTERNATE NAME:** 8-Hydroxy-5-quinolinecarboxylic acid; 8-Hydroxy-5-quinolinecarboxylic acid**CATALOG #:** 2266-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>10</sub>H<sub>7</sub>NO<sub>3</sub>**MOLECULAR WEIGHT:** 189.17**CAS NUMBER:** 5852-78-8**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20° C. Protect from light and moisture**DESCRIPTION:** Cell-permeable. A histone demethylase (HDM) JMJD inhibitor. Inhibits the JMJD family of 2-oxoglutarate-dependent histone demethylases. IC<sub>50</sub>s = 0.12, 0.07, 0.2, 0.3, 0.6, and 1 μM for JMJD3, JMJD1A, JMJD2A, JMJD2E, JMJD2C and UTX respectively. A broad spectrum 2-oxoglutarate oxygenase inhibitor which may be used to study hypoxic signaling.**REFERENCE:** King, O.N., *et al.* (2010). *PLoS One* **5**, e15535.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**GSK-J4 hydrochloride (**Cat. No. 2259-1, 5**)GSK-J1 sodium (**Cat. No. 2260-1, 5**)β-Lapachone (**Cat. No. 2262-5, 25**)Tranylcypromine hemisulfate (**Cat. No. 1816-25, 100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**