

## IOX1

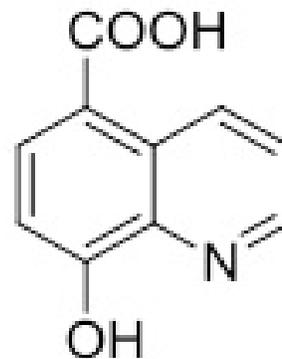
**Catalog No:** 14056, 14057**Format:** 25 mg, 5 mg**Chemical Properties:**

MW = 189.2

C<sub>10</sub>H<sub>7</sub>NO<sub>3</sub>

CAS 5852-78-8

Physical Properties: Yellow powder

**Names:** IOX-1, 8-Hydroxy-5-quinolinecarboxylic acid; 5-Carboxy-8HQ

**Pharmacology:** Inhibits the JMJD family of 2-oxoglutarate-dependent histone demethylases. IC<sub>50</sub> = 0.12, 0.07, 0.2, 0.3, 0.6 and 1 M for JMJD3, JMJD1A, JMJD2A, JMJD2E, JMJD2C and UTX respectively (ref 1). A broad spectrum 2-oxoglutarate oxygenase inhibitor which may be used to study hypoxic signaling (ref 1). Cell permeable.

**Solubilization:** May be dissolved in DMSO (20 mg/ml)

**Fluorescent Properties:** N/A

**Quality Control:**

&gt;98% (HPLC); NMR (Conforms)

## References:

1. ON King *et al.* *PLoS One* 2010, 5:e15535

**Storage and Guarantee:** Store desiccated as supplied at room temperature for up to 1 year. Store solutions at -20°C for up to 3 months. This product is guaranteed for 6 months from date of arrival.