

## IOX1

Cat. No. CEI-0549

Lot. No. (See product label)

### Introduction

#### Description

Cell-permeable. A histone demethylase (HDM) JMJD inhibitor. Inhibits the JMJD family of 2-oxoglutarate-dependent histone demethylases. IC50s = 0.12, 0.07, 0.2, 0.3, 0.6, and 1  $\mu$ M for JMJD3, JMJD1A, JMJD2A, JMJD2E, JMJD2C and UTX respectively. A broad spectrum 2-oxoglutarate oxygenase inhibitor which may be used to study hypoxic signaling.

### Product Information

<b>Appearance</b>	White solid
<b>CAS No.</b>	5852-78-8
<b>Molecular Formula</b>	C 10 H 7 NO 3
<b>Chemical Name</b>	8-Hydroxy-5-quinolinecarboxylic acid; 8-Hydroxy-5-quinolinecarboxylic acid
<b>Molecular Weight</b>	415.28
<b>Purity</b>	>95% by HPLC
<b>Targets</b>	KDM6B, KDM3A, KDM4A, KDM4E, KDM4C
<b>Solubility</b>	H <sub>2</sub> O (20 mM) and MeOH (5 mg/ml)

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack