



Catalog # 10-1426

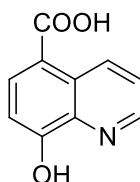
IOX 1

CAS# 5852-78-8

5-Carboxy-8HQ

8-Hydroxy-5-quinolinecarboxylic acid

Lot # X105060



Inhibits the JMJD family of 2-oxoglutarate-dependent histone demethylases. IC_{50} = 0.12, 0.07, 0.2, 0.3, 0.6, and 1 μ M for JMJD3, JMJD1A, JMJD2A, JMJD2E, JMJD2C and UTX respectively¹. A broad spectrum 2-oxoglutarate oxygenase inhibitor which may be used to study hypoxic signaling¹. Cell permeable

- 1) King *et al.* (2010), *Quantitative high-throughput screening identifies 8-hydroxyquinolines as cell-active histone demethylase inhibitors*; PLoS One, **5** e15535

PHYSICAL DATA

Molecular Weight:	189.17
Molecular Formula:	C ₁₀ H ₇ NO ₃
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com