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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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IOX1

JMJD inhibitor
Catalog No. SIH-377



Discovery through partnership | Excellence through quality

Overview

Product Name

IOX1

Description

JMJD inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

5852-78-8

Molecular Formula

C11H11NO1

Molecular Weight

189.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

May be dissolved in DMSO (20 mg/ml)

Source

Synthetic

Appearance

Yellow powder

SMILES

C1=CC2=C(C=CC(=C2N=C1)O)C(=O)O

InChI

InChI=1S/C10H7NO3/c12-8-4-3-7(10(13)14)6-2-1-5-11-9(6)8/h1-5,12H,(H,13,14)

InChIKey

JGRP KOGHYBAVMW-UHFFFAOYSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Cite This Product

IOX1 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-377)

Biological Description

Alternative Names

8-Hydroxy-5-quinolinecarboxylic acid; (5-Carboxy-8HQ)

Research Areas

Cell Signaling, Epigenetics

PubChem ID

459617

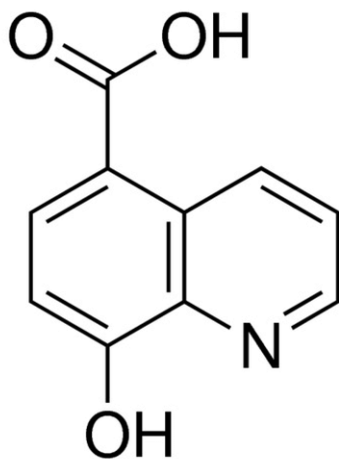
Scientific Background

IOX1 is a cell permeable inhibitor of the JMJD family of 2-oxoglutarate-dependent histone demethylases (IC₅₀ = 0.12, 0.07, 0.2, 0.3, 0.6, and 1 μ M for JMJD3, JMJD1A, JMJD2A, JMJD2E, JMJD2C and UTX respectively). It is a broad spectrum 2-oxoglutarate oxygenase inhibitor which may be used to study hypoxic signaling (1).

References

1. King O.N., et al. (2010) PLoS One. 5: e15535.

Product Images



Chemical structure of IOX1 (SIH-377), a JMJD inhibitor. CAS #: 5852-78-8. Molecular Formula: C₁₀H₇NO₃. Molecular Weight: 189.2 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.