

IOX 1, JMJD demethylase inhibitor

Catalog	Unit
TBI1426-5MG	5 mg
TBI1426-25MG	25 mg

Product Details

Formal Name: 8-Hydroxy-5-quinolinecarboxylic acid

Alternate Names: 5-Carboxy-8HQ

Molecular Formula: C₁₀H₇NO₃

Formula Weight: 189.17

CAS Number: 5852-78-8

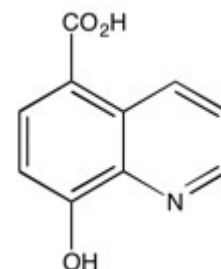
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

JMJD demethylase inhibitor

Functions

Inhibits the JMJD family of 2-oxoglutarate-dependent histone demethylases. IC₅₀ = 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. Cell permeable

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.