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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Ferrostatin-1

Ferroptosis Inhibitor
Catalog No. SIH-525



Discovery through partnership | Excellence through quality

Overview

Product Name

Ferrostatin-1

Description

Ferroptosis Inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

347174-05-4

Molecular Formula

C₁₁H₁₁N₁O₁

Molecular Weight

262.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (100 mg/ml) or ethanol (100 mg/ml)

Source

Synthetic

Appearance

Tan powder

SMILES

CCOC(=O)c1ccc(c(c1)N)NC2CCCCC2

Safety Phrases

Classification:

Skin irritation (Category 2), H315

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.

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapours/spray P264 Wash skin thoroughly after handling.

P280 Wear protective gloves.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + 340 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + 351+ + 338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do so- continue rinsing.

P333 + 313 If skin irritation or a rash occurs: Get medical advice/attention

Cite This Product

Ferrostatin-1 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-525)

Biological Description

Alternative Names

Ethyl 3-amino-4-(cyclohexylamino)benzoate

Research Areas

Cancer, Apoptosis, Cell Signaling, Neuroscience

Scientific Background

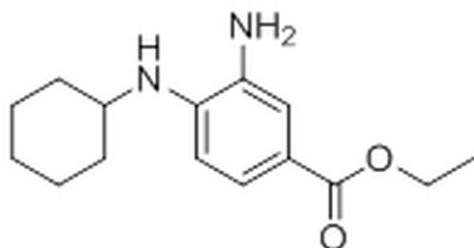
Ferrostatin-1 inhibits ferroptosis (EC50=60 nM), an iron-dependent form of nonapoptotic cell death. It is especially potent of ferroptosis in cancer cells and glutamate-induced cell death in organotypic rat brain slices (1). It also blocks the cytotoxic effects of sorafenib in hepatocellular carcinoma cells (2), and inhibits oxidative lipid damage and cell death in diverse disease models (3).

References

1. Dixon S.J., et al. (2012) Cell. 149: 1060.
 2. Louandre C., et al. (2013) Int. J. Cancer. 133: 1732.
 3. Skouta R., et al. (2014) J. Am. Chem. Soc. 136: 4551.
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Product Images

Chemical structure of Ferrostatin-1 (SIH-525), a Ferroptosis Inhibitor. CAS #: 347174-05-4. Molecular Formula: C15H22N2O2. Molecular Weight: 262.4 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.