

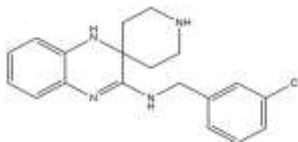
PRODUCT: Liproxstatin-1

ALTERNATE NAME: N-[(3-chlorophenyl)methyl]-spiro[piperidine-4,2'(1'H)-quinoxalin]-3'-amine

CATALOG #: B2312-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₂₁ClN₄

MOLECULAR WEIGHT: 340.85

CAS NUMBER: 950455-15-9

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~10 mg/ml)

PURITY: ≥98% HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Liproxstatin-1 is a potent inhibitor of ferroptosis. Liproxstatin-1 suppresses ferroptosis in human cells and in an ischemia/reperfusion-induced tissue injury model in mice. Knockout of glutathione peroxidase 4 (Gpx4) Has been shown to cause cell death by ferroptosis. Liproxstatin-1 was able to suppress ferroptosis in Gpx4 knock-out mice.

REFERENCE: Zilka, O., *et al.* (2017). *ACS Cent. Sci.* **3**, 232-243.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

N-Acetyl-4-benzoquinone Imine (**B2306**)

Baicalein (**B2309**)

L-Buthionine-(S,R)-Sulfoximine (**B2305**)

Coenzyme Q10 (**B2310**)

Erastin (**2231**)

EZSolution™ Erastin (**B1502**)

Ferrostatin-1 (**2230**)

FIN56 (**B2308**)

Glutathione ethyl ester (**B2307**)

Glutathione Peroxidase Colorimetric Assay Kit (**K762**)

Idebenone (**B2311**)

Liproxstatin-1 (**B2312**)

ML-162 (**B2304**)

RSL3 (**B2303**)

USAGE:

FOR RESEARCH USE ONLY! Not to be used in humans