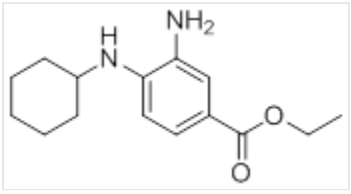
Ferrostatin-1 Small Molecule

PRODUCT OVERVIEW

Product Name	Ferrostatin-1, Small Molecule
Full Product Name	Ferrostatin-1
Product Synonym Names	Ferroptosis Inhibitor; Ethyl 3-amino-4-(cyclohexylamino)benzoate
Host	Synthetic
Form/Format	Tan powder
Purity/Purification	>98% (TLC); NMR (Conforms)
Preparation and Storage	Store at -20 degree C.
Molecular Weight	262.4
Solubility	Soluble in DMSO (100 mg/ml) or ethanol (100 mg/ml)
CAS Number	347174-05-4
Molecular Formula	C15H22N2O2
SMILES	CCOC(=O)c1ccc(c(c1)N)NC2CCCCC2
Product Categories/Family for Ferrostatin-1 small molecule	Small Molecules; Inhibitor; Cancer; Apoptosis; Cell Signaling; Neuroscience
Related Product Information for Ferrostatin-1 small molecule	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).
Product References and Citations for Ferrostatin-1 small molecule	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.
Other Notes	Small volumes of Ferrostatin-1 small molecule vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Ferrostatin-1 purchase	MBS808222 is a small molecule targeting Ferrostatin-1. Host: Synthetic.



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

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MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/small-molecule/ferrostatin-1/808222