

Liproxstatin-1, Ferroptosis inhibitor

Catalog	Unit
TBI4670-5MG	5 mg
TBI4670-25MG	25 mg

Product Details

Formal Name: N-[(3-Chlorophenyl)methyl]spiro[1,4-dihydroquinoxaline-3,4'-piperidine]-2-amine

Molecular Formula: C₁₉H₂₁ClN₄

Formula Weight: 340.85

CAS Number: 950455-15-9

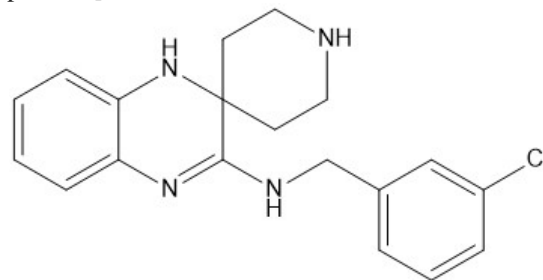
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Ferroptosis inhibitor

Functions

Ferroptosis inhibitor (IC₅₀ = 22 nM) that mitigates tissue injury in a mouse model of hepatic ischemia/reperfusion injury. It protected mouse myocardium against ischemia/reperfusion injury via a decrease in VDAC1 and restoration of GPX4 levels. Liproxstatin-1's mechanism of activity has been attributed to its activity as a radical-trapping antioxidant.

Application Procedures

First dissolved in DMSO (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.