
Product Data Sheet

Product Name: Liproxstatin-1 hydrochloride

Cat. No.: GC50345

Chemical Properties

Cas. No. 2250025-95-5

SMILES C1CNCCC12C(=NC3=CC=CC=C3N2)NCC4=CC(=CC=C4)Cl.Cl

Formula $C_{19}H_{21}ClN_4.HCl$ M.Wt 377.31

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Potent ferroptosis inhibitor (IC₅₀ = 22 nM). Protects human renal proximal tubule cells from 1S,3R-RSL3 (Cat.No. 6118) -induced cell death in vitro. Inhibits acute renal failure and prolongs survival in Gpx4 knockdown mice. Also mitigates tissue damage in an in vivo hepatic ischemia/reperfusion model.

Friedmann Angeli et al (2014) Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. Nat.Cell.Biol. 16 1180 PMID:25402683

Caution: Product has not been fully validated for medical applications. For research use only.

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