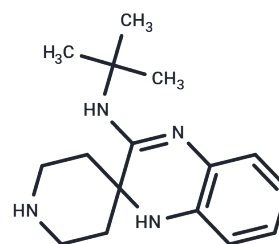


Liproxstatin-1 analog

Chemical Properties

CAS No. : 1170643-61-4
Formula: C₁₆H₂₄N₄
Molecular Weight: 272.39
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Liproxstatin-1 analog is a potent ferroptosis inhibitor, derived from liproxstatin-1 with a similar structure. It effectively inhibits ferroptotic cell death, with an IC ₅₀ value of 22 nM.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6712 mL	18.356 mL	36.7121 mL
5 mM	0.7342 mL	3.6712 mL	7.3424 mL
10 mM	0.3671 mL	1.8356 mL	3.6712 mL
50 mM	0.0734 mL	0.3671 mL	0.7342 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Friedmann Angeli JP, et al. Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. Nat Cell Biol. 2014;16(12):1180-1191.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481