

Product Datasheet

Piperazine Erastin (orb1307870)

Catalog Number	orb1307870
Category	Small Molecules
Description	Piperazine erastin is an erastin analog that induces ferroptosis, an iron-dependent, non-apoptotic form of cell death. It is widely used as a research tool in vitro and in vivo to study ferroptosis mechanisms, cancer biology, and neurodegenerative diseases.
Target	Ferroptosis
Purity	97.74% (May vary between batches)
MW	645.19
Target Areas	Ferroptosis
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (3.1 mM);DMSO:132.5 mg/mL (205.37 mM)
CAS Number	1538593-71-3
Formula	C ₃₅ H ₄₁ ClN ₆ O ₄
SMILES	<chem>C(C=1N(C(=O)C=2C(N1)=CC=CC2)C3=C(OC(C)C)C=CC(CN4CCNCC4)=C3)N5CCN(C(COC6=CC=C(Cl)C=C6)=O)CC5</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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