

## Product Datasheet

### Piperazine Erastin (orb1307870)

<b>Catalog Number</b>	orb1307870
<b>Category</b>	Small Molecules
<b>Description</b>	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.
<b>Target</b>	Ferroptosis
<b>Purity</b>	99.52% (May vary between batches)
<b>MW</b>	645.19
<b>Target Areas</b>	Ferroptosis
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (3.1 mM);DMSO:132.5 mg/mL (205.37 mM)
<b>CAS Number</b>	1538593-71-3
<b>Formula</b>	C <sub>35</sub> H <sub>41</sub> ClN <sub>6</sub> O <sub>4</sub>
<b>SMILES</b>	<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>
<b>Storage</b>	Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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