

Erastin, Ferroptosis inducer

Catalog	Unit
TBI3406-5MG	5 mg
TBI3406-25MG	25 mg

Product Details

Formal Name: 2-[1-[4-[2-(4-Chlorophenoxy)acetyl]-1-piperazinyl]ethyl]-3-(2-ethoxyphenyl)-4(3H)-quinazolinone

Molecular Formula: C₃₀H₃₁ClN₄O₄

Formula Weight: 547.04

CAS Number: 571203-78-6

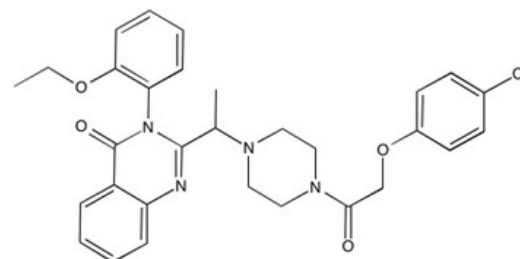
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml with warming).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Ferroptosis inducer

Functions

Ferroptosis inducer. Inhibits the cystine-glutamate antiporter, system Xc- leading to activation of an ER stress response. Inhibition of system Xc- leads to cysteine starvation, glutathione depletion and induction of ferroptosis. Also blocks mitochondrial voltage-dependent anion channels (specifically VDAC2 and 3).

Application Procedures

First dissolved in DMSO (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.