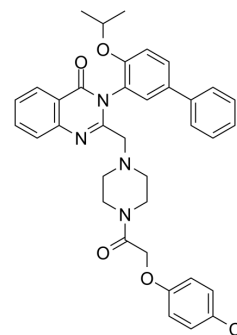


## Erastin2

Cat. No.:	HY-139087
CAS No.:	1695533-44-8
Molecular Formula:	C <sub>36</sub> H <sub>35</sub> ClN <sub>4</sub> O <sub>4</sub>
Molecular Weight:	623.14
Target:	Ferroptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 2 years; -20°C, 1 year (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (160.48 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.6048 mL	8.0239 mL	16.0478 mL	
5 mM	0.3210 mL	1.6048 mL	3.2096 mL	
10 mM	0.1605 mL	0.8024 mL	1.6048 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Erastin2 is a ferroptosis inducer and a potent, selective inhibitor of the system xc(-) cystine/glutamate transporter<sup>[1][2]</sup>.

### REFERENCES

[1]. Cao JY, et al. A Genome-wide Haploid Genetic Screen Identifies Regulators of Glutathione Abundance and Ferroptosis Sensitivity. Cell Rep. 2019 Feb 5;26(6):1544-1556.e8.

[2]. Dixon SJ, et al. Pharmacological inhibition of cystine-glutamate exchange induces endoplasmic reticulum stress and ferroptosis. Elife. 2014 May 20;3:e02523.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA