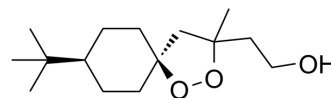


## FINO2

Cat. No.:	HY-129457
CAS No.:	869298-31-7
Molecular Formula:	C <sub>15</sub> H <sub>28</sub> O <sub>3</sub>
Molecular Weight:	256.38
Target:	Ferroptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (195.02 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.9005 mL	19.5023 mL	39.0046 mL
	5 mM	0.7801 mL	3.9005 mL	7.8009 mL
	10 mM	0.3900 mL	1.9502 mL	3.9005 mL

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

### BIOLOGICAL ACTIVITY

#### Description

FINO2 is a potent ferroptosis inducer. FINO2 inhibits GPX4 activity. FINO2 is a stable oxidant that oxidizes ferrous iron and stable at varying pH levels. FINO2 causes widespread lipid peroxidation<sup>[1]</sup>.

#### In Vitro

FINO2 (10 μM; 24 h) induce ferroptosis and shows iron dependence of lipid peroxidation in HT-1080 cells<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Gaschler MM, et al. FINO2 initiates ferroptosis through GPX4 inactivation and iron oxidation. Nat Chem Biol. 2018 May;14(5):507-515.

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

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