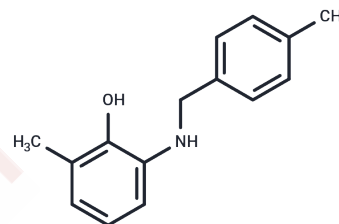


## Ferroptosis-IN-6

## Chemical Properties

CAS No. :	1517780-59-4
Formula:	C <sub>15</sub> H <sub>17</sub> NO
Molecular Weight:	227.3
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ferroptosis-IN-6 is a potent ferroptosis inhibitor that protects cells from ferroptosis-induced cell death and inhibits STY-BODIPY oxidation. It is used in studies of ischemia-reperfusion injury.
Targets(IC50)	Ferroptosis
In vitro	Ferroptosis-IN-6 (compound 13) is a potent Ferroptosis inhibitor with an EC <sub>50</sub> of 25.5 nM. [1]
In vivo	Ferroptosis-IN-6 can effectively protect mice from renal ischemia-reperfusion injury. [1]

## Solubility Information

Solubility	DMSO: 15 mg/mL (65.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3995 mL	21.9974 mL	43.9947 mL
5 mM	0.8799 mL	4.3995 mL	8.7989 mL
10 mM	0.4399 mL	2.1997 mL	4.3995 mL
50 mM	0.088 mL	0.4399 mL	0.8799 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sheng XH, et al. Design, synthesis, and biological evaluation of 2-amino-6-methyl-phenol derivatives targeting lipid peroxidation with potent anti-ferroptotic activities. Eur J Med Chem. 2024 Jan 15;264:115997.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481