

## Ferroptosis-IN-17

## Chemical Properties

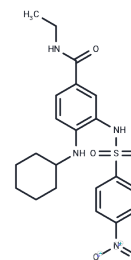
CAS No. :

Formula: C<sub>21</sub>H<sub>26</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight: 446.52

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-17 (Compound 18) is an inhibitor of ferroptosis with an EC <sub>50</sub> value of 0.57 μM. It effectively reduces the accumulation of intracellular ferrous ions and lipid peroxidation while restoring levels of glutathione (GSH) and glutathione peroxidase 4 (GPX4). In rat plasma, Ferroptosis-IN-17 demonstrates good solubility and notable metabolic stability. This compound holds potential for research in tumor suppression, neurodegenerative diseases, and cardiovascular disorders.
Targets(IC50)	Ferroptosis, Glutathione Peroxidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2395 mL	11.1977 mL	22.3954 mL
5 mM	0.4479 mL	2.2395 mL	4.4791 mL
10 mM	0.224 mL	1.1198 mL	2.2395 mL
50 mM	0.0448 mL	0.224 mL	0.4479 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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