

UAMC-4821

Chemical Properties

CAS No. :

Formula: C15H19N3O

Molecular Weight: 257.33

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	UAMC-4821 is a ferroptosis inhibitor with an IC50 of 5.2 nM. It effectively scavenges free radicals, inhibits lipid peroxidation, and prevents ML162-induced ferroptosis, providing protective effects on HT-1080 cells. With favorable pharmacokinetic properties in mice, UAMC-4821 presents an oral bioavailability of 63% and demonstrates blood-brain barrier permeability.
Targets(IC50)	Ferroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8861 mL	19.4303 mL	38.8606 mL
5 mM	0.7772 mL	3.8861 mL	7.7721 mL
10 mM	0.3886 mL	1.943 mL	3.8861 mL
50 mM	0.0777 mL	0.3886 mL	0.7772 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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