

NYY-6a

Chemical Properties

CAS No. :

Formula: C₂₃H₂₂N₂O₃

Molecular Weight: 374.43

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	NYY-6a is a ferroptosis (Ferroptosis) inhibitor, demonstrating significant suppression of RSL3-induced ferroptosis in 786-O and HT-1080 cells, with EC ₅₀ values of 52 nM and 50 nM, respectively. As a radical-trapping antioxidant (RTA), NYY-6a effectively reduces lipid peroxidation, comparable to ferrostatin-1 and liproxstatin-1, making it useful for research into ferroptosis-related pathologies.
Targets(IC ₅₀)	Ferroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6707 mL	13.3536 mL	26.7073 mL
5 mM	0.5341 mL	2.6707 mL	5.3415 mL
10 mM	0.2671 mL	1.3354 mL	2.6707 mL
50 mM	0.0534 mL	0.2671 mL	0.5341 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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