

## Autophagy inducer 5

## Chemical Properties

CAS No. :

Formula: C41H52N4O3

Molecular Weight: 648.88

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	Autophagyinducer 5 (compound 21o) serves as a potent inhibitor of MCF-7 (IC50: 2 $\mu$ M), making it a potential candidate for breast cancer therapy. It induces autophagy by activating the ROS/JNK signaling pathway, which increases ROS production and JNK phosphorylation, ultimately exerting cytotoxic effects.
Targets(IC50)	Reactive Oxygen Species,Autophagy,JNK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5411 mL	7.7056 mL	15.4112 mL
5 mM	0.3082 mL	1.5411 mL	3.0822 mL
10 mM	0.1541 mL	0.7706 mL	1.5411 mL
50 mM	0.0308 mL	0.1541 mL	0.3082 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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