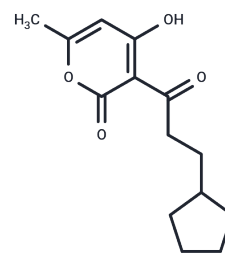


Antifungal agent 92

Chemical Properties

CAS No. :	3020687-94-6
Formula:	C ₁₄ H ₁₈ O ₄
Molecular Weight:	250.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Antifungal agent 92 (Compound 21) exhibits significant efficacy with an EC ₅₀ value of 4.4 μM against <i>Sclerotinia sclerotiorum</i> . It disrupts mitochondrial functions by inducing abnormal morphology, reducing membrane potential, and promoting the accumulation of reactive oxygen species (ROS) in the pathogen. Additionally, it moderately inhibits mitochondrial complexes II and III, showcasing its promiscuous inhibitory activity [1].
Targets(IC ₅₀)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9954 mL	19.9768 mL	39.9537 mL
5 mM	0.7991 mL	3.9954 mL	7.9907 mL
10 mM	0.3995 mL	1.9977 mL	3.9954 mL
50 mM	0.0799 mL	0.3995 mL	0.7991 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

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