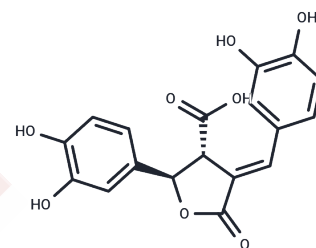


Phellinsin

Chemical Properties

CAS No. :	307494-43-5
Formula:	C ₁₈ H ₁₄ O ₈
Molecular Weight:	358.30
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	Phellinsin selectively inhibits the activity of chitin synthase I and II, with IC ₅₀ values of 76 and 28 µg/mL, respectively. It also exhibits antimicrobial effects against pathogens such as anthracnose, rice blast fungus, <i>Aspergillus fumigatus</i> , and <i>Trichophyton mentagrophytes</i> , with a MIC ranging from 12.5 to 50 µg/mL.
Targets(IC ₅₀)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.791 mL	13.9548 mL	27.9096 mL
5 mM	0.5582 mL	2.791 mL	5.5819 mL
10 mM	0.2791 mL	1.3955 mL	2.791 mL
50 mM	0.0558 mL	0.2791 mL	0.5582 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