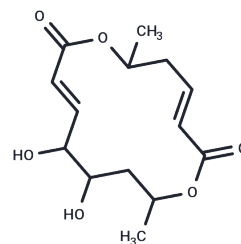


Colletodiol

Chemical Properties

CAS No. :	21142-67-6
Formula:	C ₁₄ H ₂₀ O ₆
Molecular Weight:	284.30
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	Colletodiol is a fungal metabolite found in <i>D. grovesii</i> with immunosuppressant and antiviral activities. It inhibits concanavalin A- or LPS-induced proliferation of isolated mouse splenocytes (IC ₅₀ s = 12 and 5 µg/ml, respectively) and inhibits influenza A viral replication in HeLa-IAV-Luc cells.
Targets(IC ₅₀)	Others, Influenza Virus

Solubility Information

Solubility	Dichloromethane: Soluble Methanol: Soluble Ethanol: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5174 mL	17.5871 mL	35.1741 mL
5 mM	0.7035 mL	3.5174 mL	7.0348 mL
10 mM	0.3517 mL	1.7587 mL	3.5174 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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.

Reference

Fujimoto, H., Nagano, J., Yamaguchi, K., et al. Immunosuppressive components from an ascomycete, *Diplogelasinospora grovesi* Chem. Pharm. Bull. 46(3)423-429(1998)

Lai, W., Wang, S., and Ye, X. Colletodiol inhibits the replication of influenza A virus WSN/H1N1 by reducing the activity of viral RNA polymerase Wei Sheng Wu Xue Bao 53(12)1334-1339(2013)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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