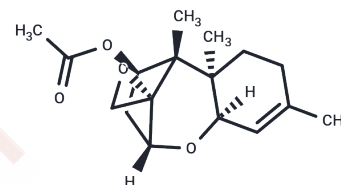


Trichodermin

Chemical Properties

CAS No. :	4682-50-2
Formula:	C ₁₇ H ₂₄ O ₄
Molecular Weight:	292.37
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	Trichodermin is a naturally occurring sesquiterpene antibiotic (antibiotic) and a powerful inhibitor of protein synthesis (protein synthesis). It binds to eukaryotic ribosomes, inhibiting protein translation by interacting with peptidyl transferase. Trichodermin suppresses oral cancer growth by inducing apoptosis (apoptosis)-related mitochondrial dysfunction and HDAC-2-mediated signaling. It exhibits potent antimicrobial activity against filamentous fungi, yeasts, and bacteria.
Targets(IC50)	Apoptosis, Antibacterial, HDAC, Antibiotic, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4203 mL	17.1016 mL	34.2032 mL
5 mM	0.6841 mL	3.4203 mL	6.8406 mL
10 mM	0.342 mL	1.7102 mL	3.4203 mL
50 mM	0.0684 mL	0.342 mL	0.6841 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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