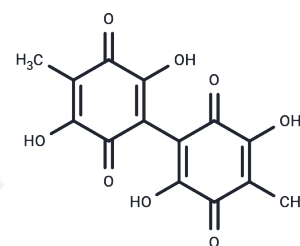


Oosporein

Chemical Properties

CAS No. :	475-54-7
Formula:	C ₁₄ H ₁₀ O ₈
Molecular Weight:	306.22
Storage:	Store at low temperature 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	Oosporein is a mycotoxin produced by <i>Trichoderma reesei</i> with antimicrobial, antiviral and insecticidal activities, inhibits <i>P. infestans</i> , inhibits herpes simplex virus type 1 DNA polymerase, and can be used in the study of viral infections.
Targets(IC50)	Apoptosis, Antiviral, Caspase, Endogenous Metabolite, Antibacterial, Parasite, Antifungal, HSV, DNA/RNA Synthesis, ROS

Solubility Information

Solubility	DMSO: 40 mg/mL (130.63 mM), Sonication is recommended. Methanol: 8 mg/mL (26.13 mM), Sonication is recommended. Dichloromethane: 8 mg/mL (26.13 mM), Sonication is recommended. Ethanol: 8 mg/mL (26.13 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2656 mL	16.3281 mL	32.6563 mL
5 mM	0.6531 mL	3.2656 mL	6.5313 mL
10 mM	0.3266 mL	1.6328 mL	3.2656 mL
50 mM	0.0653 mL	0.3266 mL	0.6531 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

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- Mascarin GM, et al. Natural occurrence of *Beauveria caledonica*, pathogenicity to *Cosmopolites sordidus* and antifungal activity against *Fusarium oxysporum* f. sp. *cubense*. *Pest Manag Sci*. 2022 Nov;78(11):4458-4470.
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