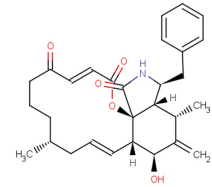


Data Sheet (Cat.No.T10928)

Cytochalasin A

Chemical Properties

CAS No.:	14110-64-6
Formula:	C ₂₉ H ₃₅ NO ₅
Molecular Weight:	477.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Cytochalasin A is a cell-permeable fungal toxin and is an oxidized derivative of cytochalasin B. Cytochalasin A is an inhibitor of HIV-1 protease (IC ₅₀ = 3 μM), inhibits actin polymerization and interferes with microtubule assembly by reacting with sulfhydryl groups. Antibiotic and bactericidal active agent.
Targets(IC ₅₀)	HIV-1 protease: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.094 mL	10.469 mL	20.938 mL
5 mM	0.419 mL	2.094 mL	4.188 mL
10 mM	0.209 mL	1.047 mL	2.094 mL
50 mM	0.042 mL	0.209 mL	0.419 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Kerman K, et al. An electrochemical approach for the detection of HIV-1 protease. *Chem Commun (Camb)*. 2007 Oct 7;(37):3829-31.
- Antonio Botalico, et al. Cytochalasins: Structure-activity relationships. *Phytochemistry* Volume 29, Issue 1, 1990.

Inhibitors · Natural Compounds · Compound Libraries

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