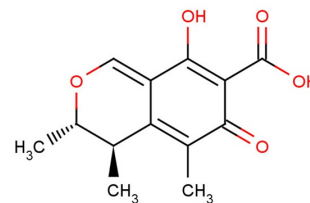


Data Sheet (Cat.No.T10825)

Citrinin

Chemical Properties

CAS No.:	518-75-2
Formula:	C ₁₃ H ₁₄ O ₅
Molecular Weight:	250.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Citrinin is a mycotoxin that causes contamination in the food and is associated with different toxic effects. Citrinin also possesses a broad spectrum of bioactivities, including antifungal, antibacterial, and potential anticancer and neuroprotective effects in vitro.
Targets(IC ₅₀)	Others: 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	3.996 mL	19.98 mL	39.96 mL
5 mM	0.799 mL	3.996 mL	7.992 mL
10 mM	0.4 mL	1.998 mL	3.996 mL
50 mM	0.08 mL	0.4 mL	0.799 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

- de Oliveira Filho JWG, et al, A comprehensive review on biological properties of citrinin. Food Chem Toxicol. 2017 Dec;110:130-141.
- Čulig B, et al. PRESENCE OF CITRININ IN GRAINS AND ITS POSSIBLE HEALTH EFFECTS. Afr J Tradit Complement Altern Med. 2017 Mar 1;14(3):22-30

Inhibitors · Natural Compounds · Compound Libraries

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