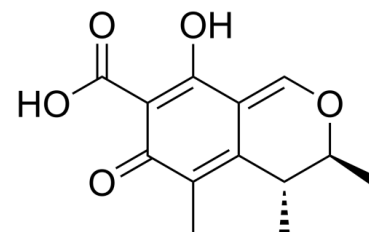


Data Sheet

Product Name:	Citrinin
Cat. No.:	CS-0064545
CAS No.:	518-75-2
Molecular Formula:	C ₁₃ H ₁₄ O ₅
Molecular Weight:	250.25
Target:	Bacterial; Endogenous Metabolite; Fungal
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Solubility:	DMSO : 50 mg/mL (199.80 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Citrinin is a mycotoxin which causes contamination in the food and is associated with different toxic effects. Citrinin is usually found together with another nephrotoxic mycotoxin, Ochratoxin A. Citrinin is also reported to possess a broad spectrum of bioactivities, including antibacterial, antifungal, and potential anticancer and neuro-protective effects in vitro^{[1][2]}.

References:

[1]. de Oliveira Filho JWG, et al, A comprehensive review on biological properties of citrinin. Food Chem Toxicol. 2017 Dec;110:130-141.

[2]. 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

CAIndexNames:

3H-2-Benzopyran-7-carboxylic acid, 4,6-dihydro-8-hydroxy-3,4,5-trimethyl-6-oxo-, (3R,4S)-

SMILES:

O=C1C(C)=C2[C@H]([C@@H](OC=C2C(O)=C1C(O)=O)C)C

Caution: Product has not been fully validated for medical applications. For research use only.

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