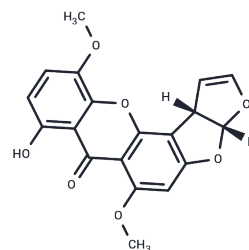


5-Methoxysterigmatocystin

Chemical Properties

CAS No. :	22897-08-1
Formula:	C ₁₉ H ₁₄ O ₇
Molecular Weight:	354.31
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	5-Methoxysterigmatocystin is a mycotoxin characterized by its cytotoxic and genotoxic properties. It exhibits cytotoxic effects on cancer cell lines A549 and HepG2, with IC ₅₀ values of 5.5 μM and 0.7 μM, respectively. Additionally, it induces DNA damage. 5-Methoxysterigmatocystin acts as a photosensitizer, generating singlet oxygen (¹ O ₂) under visible light.
Targets(IC ₅₀)	Photosensitizer

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8224 mL	14.1119 mL	28.2239 mL
5 mM	0.5645 mL	2.8224 mL	5.6448 mL
10 mM	0.2822 mL	1.4112 mL	2.8224 mL
50 mM	0.0564 mL	0.2822 mL	0.5645 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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