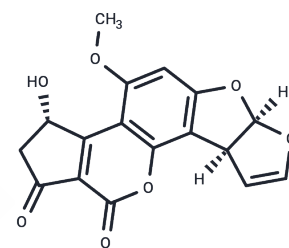


Aflatoxin Q1

Chemical Properties

CAS No. :	52819-96-2
Formula:	C ₁₇ H ₁₂ O ₇
Molecular Weight:	328.27
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	Aflatoxin Q1, a hydroxy metabolite of Aflatoxin B1 (AFB1)—a mycotoxin synthesized by <i>Aspergillus flavus</i> (<i>A. flavus</i>)—and aflatoxin B1 8,9-oxide are principal oxidative derivatives produced from Aflatoxin B1 in human liver microsomes across all substrate concentrations. The conversion of Aflatoxin B1 to Aflatoxin Q1 through 3 alpha-hydroxylation represents a critical detoxification route [1] [2].
Targets(IC50)	Others,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0463 mL	15.2314 mL	30.4627 mL
5 mM	0.6093 mL	3.0463 mL	6.0925 mL
10 mM	0.3046 mL	1.5231 mL	3.0463 mL
50 mM	0.0609 mL	0.3046 mL	0.6093 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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