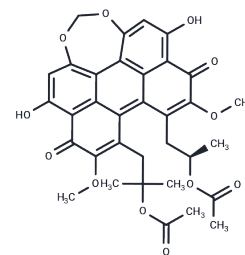


Diacetylcercosporin

Chemical Properties

CAS No. :	62574-06-5
Formula:	C ₃₃ H ₃₀ O ₁₂
Molecular Weight:	618.591
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	Diacetylcercosporin, a perylenequinone produced by Cercospora and Septoria, exhibits diverse biological activities including inhibition of <i>P. falciparum</i> strains sensitive and resistant to chloroquine and <i>L. donovani</i> parasites (IC ₅₀ = 3.1 μM) in vitro. It shows cytotoxicity against SK-MEL, KB, BT549, and SK-OV-3 human cancer cell lines (IC ₅₀ s = 4.8-8.7 μM) and acts as a phytotoxin, inhibiting the growth of lettuce and bentgrass at a concentration of 1.62 mM.
Targets(IC ₅₀)	Others,Parasite

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6166 mL	8.0829 mL	16.1658 mL
5 mM	0.3233 mL	1.6166 mL	3.2332 mL
10 mM	0.1617 mL	0.8083 mL	1.6166 mL
50 mM	0.0323 mL	0.1617 mL	0.3233 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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