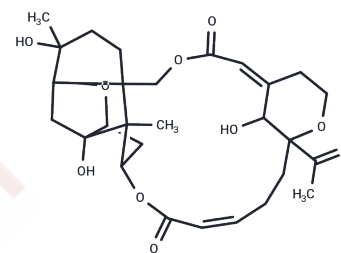


Myrothecine A

Chemical Properties

CAS No. :	910292-40-9
Formula:	C ₂₉ H ₃₈ O ₁₀
Molecular Weight:	546.61
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	Myrothecine A, a trichothecene mycotoxin discovered in <i>M. roridum</i> , exhibits anticancer properties. It effectively inhibits the proliferation of various cancer cell lines, specifically A549, MCF-7, HepG2, and SMMC-7721, with IC ₅₀ values of 95, 70, 60, and 25 μM, respectively. At a concentration of 50 μM, Myrothecine A induces G1 cell cycle arrest in HepG2 cells and promotes apoptosis in SMMC-7721 cells by elevating levels of Bax and cleaved caspase-3, -5, and -8.
Targets(IC ₅₀)	Apoptosis, Bcl-2 Family, Others, Caspase, Cytochromes P450, JNK, PARP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8295 mL	9.1473 mL	18.2946 mL
5 mM	0.3659 mL	1.8295 mL	3.6589 mL
10 mM	0.1829 mL	0.9147 mL	1.8295 mL
50 mM	0.0366 mL	0.1829 mL	0.3659 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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