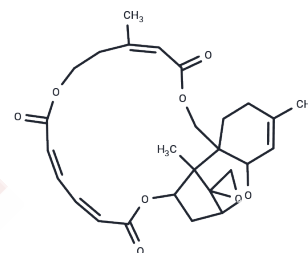


Verrucarin J

Chemical Properties

CAS No. :	4643-58-7
Formula:	C ₂₇ H ₃₂ O ₈
Molecular Weight:	484.54
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	Verrucarin J (Muconomycin B), derived from the Myrothecium fungus family, effectively generates reactive oxygen species (ROS) to induce apoptosis in various cancer cell lines, including A549, HCT 116, and SW-620. Besides its anticancer properties, it exhibits antifungal activity against Candida albicans and Mucor miehei. Furthermore, it notably inhibits the arenavirus Junin (JUNV) yield with an IC ₅₀ of 1.2 ng/mL.
Targets(IC ₅₀)	Apoptosis, Anti-infection, Others, Reactive Oxygen Species, Antibiotic, Antifungal, ROS, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0638 mL	10.3191 mL	20.6381 mL
5 mM	0.4128 mL	2.0638 mL	4.1276 mL
10 mM	0.2064 mL	1.0319 mL	2.0638 mL
50 mM	0.0413 mL	0.2064 mL	0.4128 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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