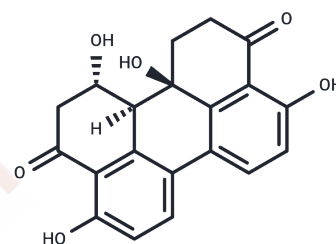


Altertoxin I

Chemical Properties

CAS No. :	56258-32-3
Formula:	C ₂₀ H ₁₆ O ₆
Molecular Weight:	352.34
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	Altertoxin I (Dihydroalterperyleneol) is a quinone-type mycotoxin produced by the fungi <i>Alternaria alternata</i> . It exhibits mutagenic and cytotoxic properties and can mildly disrupt metabolic communication.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8382 mL	14.1908 mL	28.3817 mL
5 mM	0.5676 mL	2.8382 mL	5.6763 mL
10 mM	0.2838 mL	1.4191 mL	2.8382 mL
50 mM	0.0568 mL	0.2838 mL	0.5676 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.

Reference

- Jarolim K, et al. Activation of the Nrf2-ARE pathway by the *Alternaria alternata* mycotoxins altertoxin I and II. *Arch Toxicol.* 2017 Jan;91(1):203-216.
- Boutin BK, et al. Effects of purified altertoxins I, II, and III in the metabolic communication V79 system. *J Toxicol Environ Health.* 1989;26(1):75-81.
- Stack ME, et al. Mutagenicity of the *Alternaria* metabolites altertoxins I, II, and III. *Appl Environ Microbiol.* 1986 Oct; 52(4):718-22.

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