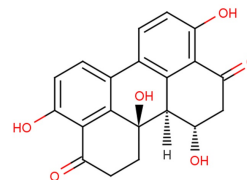


Altertoxin I

Chemical Properties

CAS No.:	56258-32-3
Formula:	C ₂₀ H ₁₆ O ₆
Molecular Weight:	352.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Altertoxin I (Dihydroalterperyleneol) is a quinone-type mycotoxin produced by <i>Alternaria alternata</i> fungi. It is mutagenic and cytotoxic and can weakly disrupt metabolic communication.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.838 mL	14.191 mL	28.382 mL
5 mM	0.568 mL	2.838 mL	5.676 mL
10 mM	0.284 mL	1.419 mL	2.838 mL
50 mM	0.057 mL	0.284 mL	0.568 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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.
3. 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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