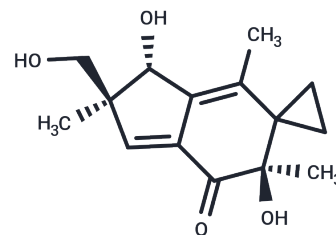


Illudin S

Chemical Properties

CAS No. :	1149-99-1
Formula:	C ₁₅ H ₂₀ O ₄
Molecular Weight:	264.32
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Illudin S (ILS) is a fungal sesquiterpene secondary metabolite with potent genotoxic and cytotoxic properties.
Targets(IC50)	Apoptosis,DNA Alkylator/Crosslinker,Antifungal

Solubility Information

Solubility	Ethanol: Soluble, DMSO: 45.0 mg/mL (170.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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.

Reference

Lisa Casimir, et al.The mutational impact of Illudin S on human cells.DNA Repair Volume 122, February 2023, 103433.Volume 122, February 2023, 103433

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481