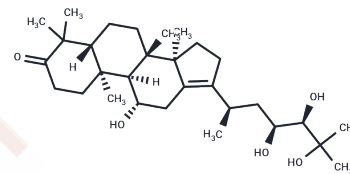


## Alisol A

## Chemical Properties

CAS No. :	19885-10-0
Formula:	C <sub>30</sub> H <sub>50</sub> O <sub>5</sub>
Molecular Weight:	490.71
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Alisol A (Alisol-A) may be an autophagic inducer, it has anti-cancer activity, it presents inhibitory effects on cancer cell lines tested (HepG2, MDA-MB-231, and MCF-7 cells).
Targets(IC50)	Autophagy

## Solubility Information

Solubility	DMSO: 98 mg/mL (199.71 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	2.0379 mL	10.1893 mL	20.3786 mL
5 mM	0.4076 mL	2.0379 mL	4.0757 mL
10 mM	0.2038 mL	1.0189 mL	2.0379 mL
50 mM	0.0408 mL	0.2038 mL	0.4076 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

- Yu Y, et al. In vitro metabolism of alisol A and its metabolites' identification using high-performance liquid chromatography-mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2013 Dec 15;941:31-7.
- Yu Y, et al. A sensitive liquid chromatography-mass spectrometry method for simultaneous determination of alisol A and alisol A 24-acetate from *Alisma orientale* (Sam.) Juz. in rat plasma. *Anal Bioanal Chem.* 2011 Jan;399(3):1363-9
- Ma Q, Han L, Bi X, et al. Structures and biological activities of the triterpenoids and sesquiterpenoids from *Alisma orientale* [J]. *Phytochemistry*, 2016:S0031942216301844.

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