



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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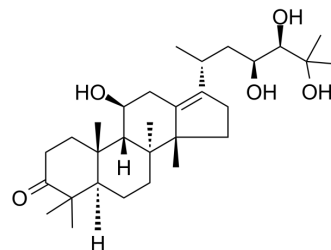
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## Alisol A

|                           |  |       |         |
|---------------------------|--|-------|---------|
| <b>Cat. No.:</b>          | HY-N0853                                       |       |         |
| <b>CAS No.:</b>           | 19885-10-0                                     |       |         |
| <b>Molecular Formula:</b> | C <sub>30</sub> H <sub>50</sub> O <sub>5</sub> |       |         |
| <b>Molecular Weight:</b>  | 490.72   |       |         |
| <b>Target:</b>            | Autophagy                                      |       |         |
| <b>Pathway:</b>           | Autophagy                                      |       |         |
| <b>Storage:</b>           | Powder   | -20°C | 3 years |
|                           |  | 4°C   | 2 years |
|                           | In solvent                                     | -80°C | 2 years |
|                           |  | -20°C | 1 year  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (203.78 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 2.0378 mL | 10.1891 mL | 20.3782 mL |
|                           | 5 mM    | 0.4076 mL | 2.0378 mL  | 4.0756 mL  |
|                           | 10 mM   | 0.2038 mL | 1.0189 mL  | 2.0378 mL  |

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (5.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (5.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.09 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Alisol A is a natural product.

### CUSTOMER VALIDATION

- Molecules. 2019 Oct 10;24(20):3651.

- Nephrology. 2023 Nov 27.
- Research Square Preprint. 2021 Feb.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. 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.

[2]. 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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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