



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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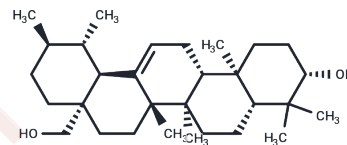
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## Uvaol

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 545-46-0                                                 |
| Formula:          | C <sub>30</sub> H <sub>50</sub> O <sub>2</sub>           |
| Molecular Weight: | 442.72                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                                                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Uvaol is present in olives and virgin olive oil with anti-inflammatory, anti-proliferative, and vasorelaxant activities.                                                                                   |
| Targets(IC50) | Endogenous Metabolite,JNK,PPAR                                                                                                                                                                             |
| In vitro      | Uvaol decreased collagen I and galectin 3 levels induced by angiotensin II in cardiac myofibroblasts[1]. Uvaol attenuates pleuritis and eosinophilic inflammation in ovalbumin-induced allergy in mice[2]. |

## Solubility Information

|            |                                                                                                                                                                                                                             |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | Ethanol: 8 mg/mL (18.07 mM),Sonication and heating to 60°C are recommended.<br>DMSO: 1.5 mg/mL (3.39 mM),Sonication and heating to 60°C are recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2588 mL | 11.2938 mL | 22.5876 mL |
| 5 mM  | 0.4518 mL | 2.2588 mL  | 4.5175 mL  |
| 10 mM | 0.2259 mL | 1.1294 mL  | 2.2588 mL  |
| 50 mM | 0.0452 mL | 0.2259 mL  | 0.4518 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

Martín R, et al. DIOL triterpenes block profibrotic effects of angiotensin II and protect from cardiac hypertrophy. PLoS One. 2012;7(7):e41545.

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