



# 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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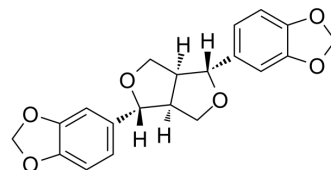
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## (-)-Sesamin

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-N0121A  |
| CAS No.:           | 13079-95-3   |
| Molecular Formula: | C <sub>20</sub> H <sub>18</sub> O <sub>6</sub>   |
| Molecular Weight:  | 354.35   |
| Target:            | Others   |
| Pathway:           | Others   |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|   |  |                          |       |           |            |            |
|---|--|--------------------------|-------|-----------|------------|------------|
| In Vitro  | DMSO : 100 mg/mL (282.21 mM; Need ultrasonic)  |                          |       |           |            |            |
|   | Preparing Stock Solutions  | Solvent<br>Concentration | Mass  | 1 mg      | 5 mg       | 10 mg      |
|   |  |                          | 1 mM  | 2.8221 mL | 14.1103 mL | 28.2207 mL |
|   |  |                          | 5 mM  | 0.5644 mL | 2.8221 mL  | 5.6441 mL  |
|   |  |                          | 10 mM | 0.2822 mL | 1.4110 mL  | 2.8221 mL  |
| Please refer to the solubility information to select the appropriate solvent. |  |                          |       |           |            |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.5 mg/mL (7.06 mM); Clear solution |                          |       |           |            |            |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.5 mg/mL (7.06 mM); Clear solution            |                          |       |           |            |            |
|   | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (7.06 mM); Clear solution                            |                          |       |           |            |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | (-)-Sesamin isolated from <i>Asarum forbesii</i> Maxim, is an isomer of Sesamin. Sesamin is a potent and selective delta 5 desaturase inhibitor in polyunsaturated fatty acid biosynthesis <sup>[1][2]</sup> . |
|-------------|--|

### REFERENCES

[1]. Feng Zhang, et al. A new amide from *Asarum forbesii* Maxim. J Asian Nat Prod Res. 2005 Feb;7(1):1-5.

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

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