



# 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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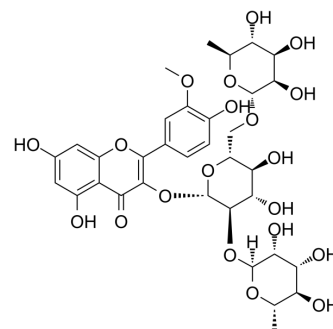
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## Typhaneoside

**Cat. No.:** HY-N0712  
**CAS No.:** 104472-68-6  
**Molecular Formula:** C<sub>34</sub>H<sub>42</sub>O<sub>20</sub>  
**Molecular Weight:** 770.69  
**Target:** Autophagy  
**Pathway:** Autophagy  
**Storage:** 4°C, protect from light  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                           |                                      |      |           |           |            |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------|-----------|-----------|------------|
| In Vitro                                                                      | DMSO : 250 mg/mL (324.38 mM; Need ultrasonic)                                                                                             |                                      |      |           |           |            |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div>Solvent<br/>Concentration</div> | Mass | 1 mg      | 5 mg      | 10 mg      |
|                                                                               |                                                                                                                                           | 1 mM                                 |      | 1.2975 mL | 6.4877 mL | 12.9754 mL |
|                                                                               |                                                                                                                                           | 5 mM                                 |      | 0.2595 mL | 1.2975 mL | 2.5951 mL  |
|                                                                               |                                                                                                                                           | 10 mM                                |      | 0.1298 mL | 0.6488 mL | 1.2975 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: ≥ 2.08 mg/mL (2.70 mM); Clear solution |                                      |      |           |           |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.08 mg/mL (2.70 mM); Clear solution            |                                      |      |           |           |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.08 mg/mL (2.70 mM); Clear solution                            |                                      |      |           |           |            |
|                                                                               |                                                                                                                                           |                                      |      |           |           |            |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Typhaneoside, extracted from <i>Typha angustifolia</i> L., Typhaneoside can inhibit the excessive autophagy of hypoxia/reoxygenation cells and increase the phosphorylation of Akt and mTOR. Typhaneoside has certain effects on the cardiovascular system, including lowering blood lipid levels, promoting antiatherosclerosis activities, as well as improving immune and coagulation function <sup>[1]</sup> . |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

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

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