



# 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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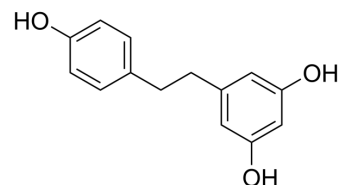
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## Dihydroresveratrol

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-N3755   |
| CAS No.:           | 58436-28-5   |
| Molecular Formula: | C <sub>14</sub> H <sub>14</sub> O <sub>3</sub>   |
| Molecular Weight:  | 230.26   |
| Target:            | Estrogen Receptor/ERR  |
| Pathway:           | Vitamin D Related/Nuclear Receptor   |
| 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 (434.29 mM; Need ultrasonic)   |                          |       |           |            |            |
|   | Preparing Stock Solutions   | Solvent<br>Concentration | Mass  | 1 mg      | 5 mg       | 10 mg      |
|   |   |                          | 1 mM  | 4.3429 mL | 21.7146 mL | 43.4292 mL |
|   |   |                          | 5 mM  | 0.8686 mL | 4.3429 mL  | 8.6858 mL  |
|   |   |                          | 10 mM | 0.4343 mL | 2.1715 mL  | 4.3429 mL  |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |       |           |            |            |
| In Vivo   | <ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline<br/>Solubility: ≥ 2.5 mg/mL (10.86 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)<br/>Solubility: ≥ 2.5 mg/mL (10.86 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil<br/>Solubility: ≥ 2.5 mg/mL (10.86 mM); Clear solution</li> </ol> |                          |       |           |            |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | Dihydroresveratrol, a potent phytoestrogen, is a hormone receptor modulator. Dihydroresveratrol exhibits proliferative effects in androgen-independent prostate and breast cancer cells at picomolar and nanomolar concentrations <sup>[1]</sup> . |
| In Vitro    | Treatment with 0.1 nM-0.1 μM of Dihydroresveratrol significantly increases the growth of PC-3 prostate cancer cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.               |

### REFERENCES

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

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