



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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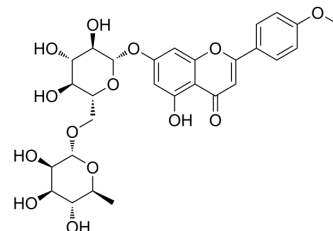
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Linarin

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N0528                                                                                       |
| CAS No.:           | 480-36-4                                                                                       |
| Molecular Formula: | C <sub>28</sub> H <sub>32</sub> O <sub>14</sub>                                                |
| Molecular Weight:  | 592.55                                                                                         |
| Target:            | Cholinesterase (ChE)                                                                           |
| Pathway:           | Neuronal Signaling                                                                             |
| 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 : 250 mg/mL (421.91 mM; Need ultrasonic)                                                                                             |                                                       |      |           |           |            |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div><div>Solvent</div><div>Concentration</div></div> | Mass | 1 mg      | 5 mg      | 10 mg      |
|                                                                               |                                                                                                                                           | 1 mM                                                  |      | 1.6876 mL | 8.4381 mL | 16.8762 mL |
|                                                                               |                                                                                                                                           | 5 mM                                                  |      | 0.3375 mL | 1.6876 mL | 3.3752 mL  |
|                                                                               |                                                                                                                                           | 10 mM                                                 |      | 0.1688 mL | 0.8438 mL | 1.6876 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 (3.51 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 (3.51 mM); Clear solution            |                                                       |      |           |           |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.08 mg/mL (3.51 mM); Clear solution                            |                                                       |      |           |           |            |

### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | Linarin (Buddleoside), isolated from the flower extract of <i>Mentha arvensis</i> , shows selective dose dependent inhibitory effect on acetylcholinesterase (AChE) <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | AChE                                                                                                                                                                                 |

### REFERENCES

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

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