



# 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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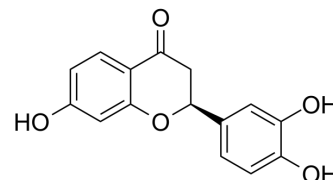
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## (-)-Butin

|                    |                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N6020                                                                                                                                                                         |
| CAS No.:           | 492-14-8                                                                                                                                                                         |
| Molecular Formula: | C <sub>15</sub> H <sub>12</sub> O <sub>5</sub>                                                                                                                                   |
| Molecular Weight:  | 272.25                                                                                                                                                                           |
| Target:            | Others                                                                                                                                                                           |
| Pathway:           | Others                                                                                                                                                                           |
| Storage:           | <div> <div>Powder</div> <div>-20°C    3 years</div> <div>4°C    2 years</div> </div> <div> <div>In solvent</div> <div>-80°C    6 months</div> <div>-20°C    1 month</div> </div> |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                            |                                                       |      |           |            |            |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 190 mg/mL (697.89 mM; Need ultrasonic)                                                                                              |                                                       |      |           |            |            |
|                                                                               | Preparing Stock Solutions                                                                                                                  | <div><div>Solvent</div><div>Concentration</div></div> | Mass | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                                                                                                            | 1 mM                                                  |      | 3.6731 mL | 18.3655 mL | 36.7309 mL |
|                                                                               |                                                                                                                                            | 5 mM                                                  |      | 0.7346 mL | 3.6731 mL  | 7.3462 mL  |
|                                                                               |                                                                                                                                            | 10 mM                                                 |      | 0.3673 mL | 1.8365 mL  | 3.6731 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: ≥ 4.75 mg/mL (17.45 mM); Clear solution |                                                       |      |           |            |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 4.75 mg/mL (17.45 mM); Clear solution            |                                                       |      |           |            |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 4.75 mg/mL (17.45 mM); Clear solution                            |                                                       |      |           |            |            |
|                                                                               |                                                                                                                                            |                                                       |      |           |            |            |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                               |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | (-)-Butin is the S enantiomer of Butin. Butin is a major biologically active flavonoid isolated from the heartwood of <i>Dalbergia odorifera</i> , with strong antioxidant, antiplatelet and anti-inflammatory activities <sup>[1][2]</sup> . |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

[1]. Duan J, et al. Protective effect of butin against ischemia/reperfusion-induced myocardial injury in diabetic mice: involvement of the AMPK/GSK-3β/Nrf2 signaling

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pathway. Sci Rep. 2017 Jan 27;7:41491.

[2]. Li P, et al. Butin Attenuates Brain Edema in a Rat Model of Intracerebral Hemorrhage by Anti Inflammatory Pathway. Transl Neurosci. 2018 May 8;9:7-12.

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

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