



# 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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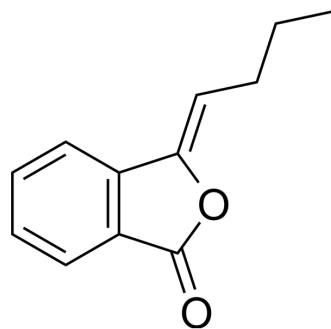
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## (Z)-3-Butylidenephthalide

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-N0336A  |
| CAS No.:           | 72917-31-8   |
| Molecular Formula: | C <sub>12</sub> H <sub>12</sub> O <sub>2</sub>   |
| Molecular Weight:  | 188.23   |
| Target:            | Glucosidase  |
| Pathway:           | Metabolic Enzyme/Protease  |
| 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 : 56.2 mg/mL (298.57 mM; Need ultrasonic and warming)

| Concentration | Mass      |            |            |  |
|---------------|-----------|------------|------------|--|
|               | 1 mg      | 5 mg       | 10 mg      |  |
| 1 mM          | 5.3126 mL | 26.5632 mL | 53.1265 mL |  |
| 5 mM          | 1.0625 mL | 5.3126 mL  | 10.6253 mL |  |
| 10 mM         | 0.5313 mL | 2.6563 mL  | 5.3126 mL  |  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

(Z)-3-Butylidenephthalide is an antihyperglycemic agent by inhibiting the activity of intestinal and yeast R-glucosidases (IC<sub>50</sub>=2.35 mM; K<sub>i</sub>=4.86 mM)<sup>[1]</sup>.

### REFERENCES

[1]. Fernando Brindis, et al. (Z)-3-butylidenephthalide from *Ligusticum porteri*, an  $\alpha$ -glucosidase inhibitor. *J Nat Prod.* 2011 Mar 25;74(3):314-20.

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

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