



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

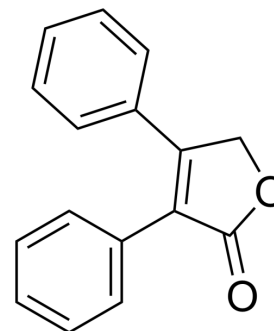
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## 3,4-Diphenyl-5H-furan-2-one

Cat. No.:	HY-W162983
CAS No.:	5635-16-5
Molecular Formula:	C <sub>16</sub> H <sub>12</sub> O <sub>2</sub>
Molecular Weight:	236.27
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

3,4-Diphenyl-5H-furan-2-one is a natural compound isolated from the endophytic fungus *Aspergillus flavipes* AIL8 derived from the mangrove plant *Acanthus ilicifolius*. 3,4-Diphenyl-5H-furan-2-one is a derivative of 2,3-diphenyltetrahydrofuran (DPTF), which is a COX-2 inhibitor. 3,4-Diphenyl-5H-furan-2-one can be used as a lead compound for inflammation and pain [1][2].

### REFERENCES

- [1]. Bai Z Q, et al. New phenyl derivatives from endophytic fungus *Aspergillus flavipes* AIL8 derived of mangrove plant *Acanthus ilicifolius*[J]. *Fitoterapia*, 2014, 95: 194-202.
- [2]. Singh P, et al. 2, 3-Diphenyltetrahydrofurans (DPTF)-A new class of stereogenic diarylheterocycles as potential COX-2 inhibitors-Computational evaluation of COX-2-DPTF binding behaviour[J]. 2006.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA