



# 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

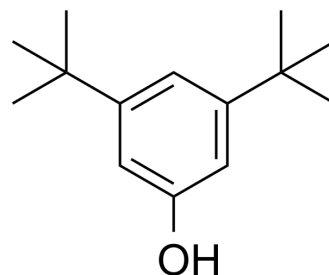
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## 3,5-Di-tert-butylphenol

<b>Cat. No.:</b>	HY-W041080
<b>CAS No.:</b>	1138-52-9
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>22</sub> O
<b>Molecular Weight:</b>	206.32
<b>Target:</b>	Fungal; Reactive Oxygen Species
<b>Pathway:</b>	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
<b>Storage:</b>	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (484.68 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	4.8468 mL	24.2342 mL	48.4684 mL
		5 mM	0.9694 mL	4.8468 mL	9.6937 mL
	10 mM	0.4847 mL	2.4234 mL	4.8468 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (12.12 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	3,5-Di-tert-butylphenol is a volatile organic compound with anti-biofilm and antifungal activities. 3,5-Di-tert-butylphenol induces accumulation of reactive oxygen species (ROS).
--------------------	--

### REFERENCES

[1]. Janarthanam Rathna, et al. Anti-biofilm mechanisms of 3,5-di-tert-butylphenol against clinically relevant fungal pathogens. Biofouling. 2016 Oct;32(9):979-93.

**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](mailto:tech@MedChemExpress.com)

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