



# 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

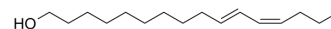
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Bombykol

<b>Cat. No.:</b>	HY-N7145		
<b>CAS No.:</b>	765-17-3		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>30</sub> O		
<b>Molecular Weight:</b>	238.41		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (419.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.1945 mL	20.9723 mL	41.9445 mL
	5 mM	0.8389 mL	4.1945 mL	8.3889 mL
	10 mM	0.4194 mL	2.0972 mL	4.1945 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (10.49 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (10.49 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (10.49 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Bombykol, the first insect sex pheromone, is identified as the female-produced sex attractant of the silkworm moth *Bombyx mori*<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Yasumasa KUWAHARA, et al. Flight Time of *Bombyx mandarina* Males to a Pheromone Trap Baited with Bombykol. J-STAGE home/Applied Entomology and

---

Zoology/Volume 19 (1984) Issue 3.

[2]. Yasumasa KUWAHARA, et al. Evaluation of Bombykol as the Sex Pheromone of Bombyx mandarina(Lepidoptera : Bombycidae). J-STAGE home/Applied Entomology and Zoology/Volume 19 (1984) Issue 2.

[3]. Bombykol.

---

**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