



# 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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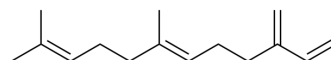
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## (E)-β-Farnesene

Cat. No.:	HY-N7364		
CAS No.:	18794-84-8		
Molecular Formula:	C <sub>15</sub> H <sub>24</sub>		
Molecular Weight:	204.35		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	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 : 33.33 mg/mL (163.10 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.8936 mL	24.4678 mL	48.9356 mL
		5 mM	0.9787 mL	4.8936 mL	9.7871 mL
10 mM		0.4894 mL	2.4468 mL	4.8936 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.23 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	(E)-β-Farnesene (trans-β-Farnesene) is a volatile sesquiterpene hydrocarbon which can be found in <i>Phlomis aurea</i> Decne essential oil. (E)-β-Farnesene can be used as a feeding stimulant for the sand fly <i>Lutzomyia longipalpis</i> <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Torky ZA, et, al. Chemical profiling, antiviral and antiproliferative activities of the essential oil of *Phlomis aurea* Decne grown in Egypt. *Food Funct.* 2021 May 21;12(10):4630-4643.
- [2]. Tesh RB, et, al. Trans-beta-farnesene as a feeding stimulant for the sand fly *Lutzomyia longipalpis* (Diptera: Psychodidae). *J Med Entomol.* 1992 Mar;29(2):226-31.

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

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