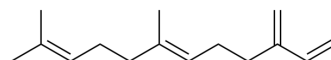


## (E)-β-Farnesene

<b>Cat. No.:</b>	HY-N7364		
<b>CAS No.:</b>	18794-84-8		
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>24</sub>		
<b>Molecular Weight:</b>	204.35		
<b>Target:</b>	Fungal		
<b>Pathway:</b>	Anti-infection		
<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

<b>In Vitro</b>	DMSO : 33.33 mg/mL (163.10 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	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.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.23 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	(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> .
--------------------	--

### 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.

---

**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