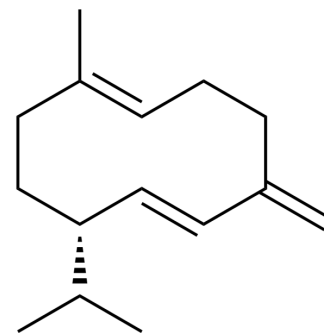


## Germacrene D

Cat. No.:	HY-125685	
CAS No.:	23986-74-5	
Molecular Formula:	C <sub>15</sub> H <sub>24</sub>	
Molecular Weight:	204.35	
Target:	Bacterial; Fungal	
Pathway:	Anti-infection	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### BIOLOGICAL ACTIVITY

Description	Germacrene D is isolated from <i>Bursera</i> species. Germacrene D has antibacterial and antifungal activities and can be used as an adjuvant agent in the application of aminoglycosides and azoles <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: bacterial <sup>[1]</sup>
In Vitro	Germacrene D shows antibacterial and antifungal activities, the mechanism of antimicrobial action of it may be related to permeabilization of the cells and disruption of the membrane integrity <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Noge K, et al. Germacrene D, a common sesquiterpene in the genus *Bursera* (Burseraceae). *Molecules*. 2009 Dec 15;14(12):5289-97.

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

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