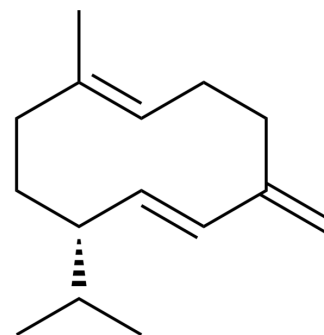


## Germacrene D

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:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Germacrene D is isolated from <i>Solidago canadensis</i> . 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> .
<b>IC<sub>50</sub> &amp; Target</b>	IC50: bacterial <sup>[1]</sup>
<b>In Vitro</b>	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* (Bursaceae). *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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