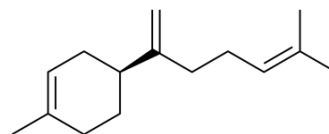


## β-Bisabolene

Cat. No.:	HY-136552
CAS No.:	495-61-4
Molecular Formula:	C <sub>15</sub> H <sub>24</sub>
Molecular Weight:	204.35
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

<b>Description</b>	β-Bisabolene is a sesquiterpene isolated from opoponax ( <i>Commiphora guidotti</i> ). β-Bisabolene, an <b>anti-cancer agent</b> , can be used for the study of breast cancer <sup>[1]</sup> .
<b>In Vitro</b>	β-bisabolene exhibits selective cytotoxic activity for mouse cells, it against normal Eph4, MG1361 and 4T1 cells with IC <sub>50</sub> values of >200 μg/ml, 65.49 μg/ml, and 48.99 μg/ml, respectively. It against normal MCF-10A, MCF-7, MDA-MB-231, SKBR3 and BT474 cells with IC <sub>50</sub> values of 114.3 μg/ml, 66.91 μg/ml, 98.39 μg/ml, 70.62 μg/ml and 74.3 μg/ml, respectively <sup>[1]</sup> .
<b>In Vivo</b>	β-bisabolene is effective in reducing the growth of transplanted 4T1 mammary tumours in vivo (37.5% reduction in volume by endpoint) <sup>[1]</sup> .

### REFERENCES

[1]. Syn Kok Yeo, et al. β-Bisabolene, a Sesquiterpene From the Essential Oil Extract of Opoponax (*Commiphora Guidottii*), Exhibits Cytotoxicity in Breast Cancer Cell Lines. *Phytother Res.* 2016 Mar;30(3):418-25.

**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

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA