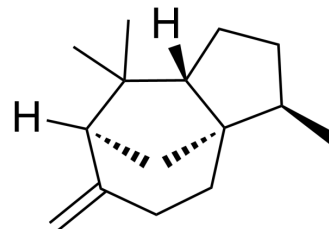


β-Cedrene

Cat. No.:	HY-N11706
CAS No.:	546-28-1
Molecular Formula:	C ₁₅ H ₂₄
Molecular Weight:	204.35
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

β-Cedrene ((+)-β-Cedrene) is a sesquiterpene compound that can be isolated from *Centaurea kotschyi* var. *kotschyi* and *Centaurea kotschyi* var. *decumbens*, exhibiting antibacterial, anti-inflammatory, antispasmodic, tonic, diuretic, sedative, insecticidal, and antifungal activities. β-Cedrene is also a potent competitive inhibitor of the CYP2B6-mediated bupropion hydroxylase, with a K_i value of 1.6 μM^{[1][2]}.

REFERENCES

[1]. Ertugrul K, et al. Essential oils from flowers of *Centaurea kotschyi* var. *kotschyi* and *C. kotschyi* var. *decumbens* from Turkey[J]. *Flavour and fragrance journal*, 2003, 18(2): 95-97.

[2]. Jeong H U, et al. Inhibitory effects of cedrol, β-cedrene, and thujopsene on cytochrome P450 enzyme activities in human liver microsomes[J]. *Journal of Toxicology and Environmental Health, Part A*, 2014, 77(22-24): 1522-1532.

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