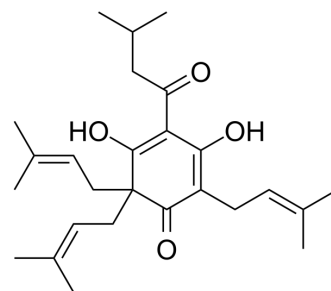


## Lupulone

Cat. No.:	HY-124923
CAS No.:	468-28-0
Molecular Formula:	C <sub>26</sub> H <sub>38</sub> O <sub>4</sub>
Molecular Weight:	414.58
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Lupulone is a beta-acid from the hop plant *H. lupulus* with diverse biological activities including antibacterial, antioxidant, and anticarcinogenic properties<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Tagashira M, et al. Antioxidative activity of hop bitter acids and their analogues. *Biosci Biotechnol Biochem.* 1995 Apr;59(4):740-2.
- [2]. Lamy V, et al. Lupulone, a hop bitter acid, activates different death pathways involving apoptotic TRAIL-receptors, in human colon tumor cells and in their derived metastatic cells. *Apoptosis* 13(10), 1232-1242 (2008).
- [3]. Bocquet L, et al. Phenolic Compounds from *Humulus lupulus* as Natural Antimicrobial Products: New Weapons in the Fight against Methicillin Resistant *Staphylococcus aureus*, *Leishmania mexicana* and *Trypanosoma brucei* Strains. *Molecules.* 2019 Mar 14;24(6):1024.

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

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