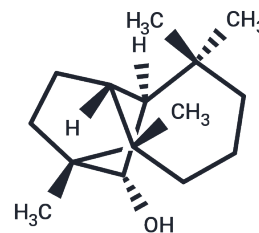


Longiborneol

Chemical Properties

CAS No. :	465-24-7
Formula:	C ₁₅ H ₂₆ O
Molecular Weight:	222.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Longiborneol is a sesquiterpene alcohol.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.497 mL	22.485 mL	44.9701 mL
5 mM	0.8994 mL	4.497 mL	8.994 mL
10 mM	0.4497 mL	2.2485 mL	4.497 mL
50 mM	0.0899 mL	0.4497 mL	0.8994 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Schmidt R, Durling MB, de Jager V, Menezes RC, Nordkvist E, Svatoš A, Dubey M, Lauterbach L, Dickschat JS, Karlsson M, Garbeva P. Deciphering the genome and secondary metabolome of the plant pathogen *Fusarium culmorum*. *FEMS Microbiol Ecol*. 2018 Jun 1;94(6). doi: 10.1093/femsec/fiy078. PubMed PMID: 29718180.
- Bresso E, Leroux V, Urban M, Hammond-Kosack KE, Maigret B, Martins NF. Structure-based virtual screening of hypothetical inhibitors of the enzyme longiborneol synthase—a potential target to reduce *Fusarium* head blight disease. *J Mol Model*. 2016 Jul;22(7):163. doi: 10.1007/s00894-016-3021-1. Epub 2016 Jun 21. PubMed PMID: 27324634.
- Bahadoor A, Schneiderman D, Gemmill L, Bosnich W, Blackwell B, Melanson JE, McRae G, Harris LJ. Hydroxylation of Longiborneol by a Clm2-Encoded CYP450 Monooxygenase to Produce Culmorin in *Fusarium graminearum*. *J Nat Prod*. 2016 Jan 22;79(1):81-8. doi: 10.1021/acs.jnatprod.5b00676. Epub 2015 Dec 16. PubMed PMID: 26673640.
- Sharma P, Shah GC. Composition and antioxidant activity of *Senecio nudicaulis* Wall. ex DC. (Asteraceae): a medicinal plant growing wild in Himachal Pradesh, India. *Nat Prod Res*. 2015;29(9):883-6. doi: 10.1080/14786419.2014.990904. Epub 2014 Dec 17. PubMed PMID: 25515495.

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