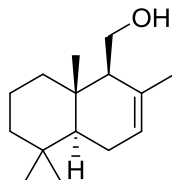


Drimenol

Code No.: **BIA-D1772**

Pack sizes: **1 mg, 5 mg**



Synonyms : (-)-Drim-7-en-11-ol, (-)-Drimenol, Drim-7-en-11-ol, (-)-Drimenol, NSC 169775, $\Delta^7(8)$ -15-Hydroxyiresane

Specifications

CAS #	: 468-68-8
Molecular Formula	: C₁₅H₂₆O
Molecular Weight	: 222.4
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Drimenol is a sesquiterpene drimane first isolated from members of the Canellaceae family. More recently, drimenol was prepared semi-synthetically from polygodial isolated from the Australian tree, *Tasmannia lanceolata*, by Smith and colleagues at the University of Tasmania, Australia. Drimenol possesses antifungal, insect anti-feedant and larval growth regulatory activity.

References

1. Practical isolation of polygodial from *Tasmannia lanceolata*: a viable scaffold for synthesis. Just J. et al., *Org. Biomol. Chem.*, 2015, 13, 11200.
2. Occurrence, biological activity and synthesis of drimane sesquiterpenoids. Jansen B.J.M. & de Groot Ae., *Nat. Prod. Rep.* 2004, 21, 449.
3. Structural requirements for the antifungal activities of natural drimane sesquiterpenes and analogues, supported by conformational and electronic studies. Derita M. et al., *Molecules* 2013, 18, 2029.
4. Effect of drimenol and synthetic derivatives on growth and germination of *Botrytis cinerea*: Evaluation of possible mechanism of action. Robles-Kelly C. et al., *Pestic. Biochem. Physiol.* 2017, 141, 50.
5. Antifeedant effect of polygodial and drimenol derivatives against *Spodoptera frugiperda* and *Epilachna paenulata* and quantitative structure-activity analysis. Montenegro I.J. et al., *Pest Manag. Sci.* 2018, 74, 1623.
6. Comparative study on the larvicidal activity of drimane sesquiterpenes and nordrimane compounds against *Drosophila melanogaster* til-til. Montenegro I. et al., *Molecules* 2013, 18, 4192.