

Product Data Sheet

Product Name: Drimendiol

Cat. No.: GC46135

Chemical Properties

Cas. No. 34437-62-2

SMILES OC[C@H]1C(CO)=CC[C@@]2([H])C(C)(C)CCC[C@@]21C

Formula C₁₅H₂₆O₂

M.Wt 238.4

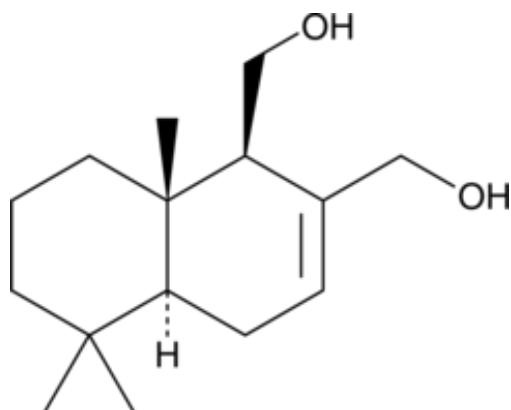
Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Drimendiol is a sesquiterpene that has been found in *W. ugandensis*.¹ It inhibits *C. albicans*, *S. aureus*, and *S. epidermidis* biofilm formation with 50% biofilm inhibitory concentration values (BIC₅₀s) of 25.5, 65.1, and 67.1 µg/ml, respectively. It has antifouling activity, inhibiting the settlement of *C. savignyi* and *B. improvisus* larvae on a petri dish surface (EC₅₀s = 1 and 0.5 µg/ml, respectively).²

[1. Kipanga, P.N., Liu, M., Panda, S.K., et al. Biofilm inhibiting properties of compounds from the leaves of *Warburgia ugandensis* Sprague subsp *ugandensis* against *Candida* and staphylococcal biofilms. *J. Ethnopharmacol.* 248:112352, (2020). 2. Moodie, L.W., Trepos, R., Cervin, G., et al.

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

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Probing the structure-activity relationship of the natural antifouling agent polygodial against both micro- and macrofoulers by semisynthetic modification. J. Nat. Prod. 80(2), 515-525 (2017).

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