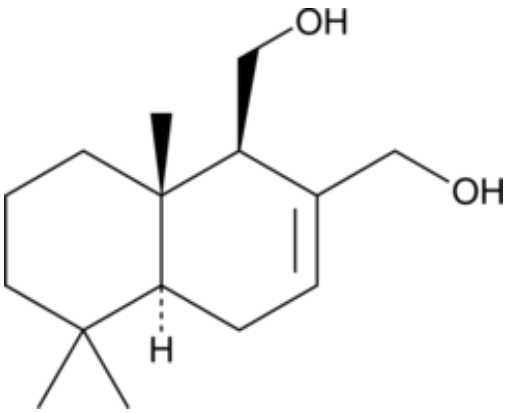
Product Data Sheet

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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