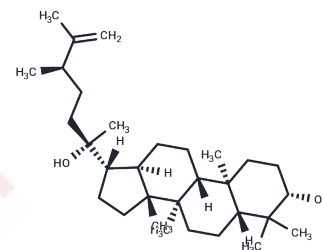


Carnaubadiol

Chemical Properties

CAS No. :	4547-30-2
Formula:	C ₃₁ H ₅₄ O ₂
Molecular Weight:	458.76
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	Carnaubadiol is a triterpene that has been found in <i>E. corollata</i> and has antiprotozoal activities. ^{1,2} It is active against <i>L. infantum</i> promastigotes and amastigotes, as well as <i>T. cruzi</i> trypomastigotes (IC ₅₀ s = 46.2, 7.8, and 14.9 μM, respectively). ²
Targets(IC ₅₀)	Others,Parasite

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1798 mL	10.8989 mL	21.7979 mL
5 mM	0.436 mL	2.1798 mL	4.3596 mL
10 mM	0.218 mL	1.0899 mL	2.1798 mL
50 mM	0.0436 mL	0.218 mL	0.436 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

- Piatak, D.M., and Reimann, K.A. Plant investigations IV. Corollatadiol A new triterpene from euphorbia corollata. *Tetrahedron Lett.* 13(44), 4525-4528 (1972).
- de Almeida, B.C., Araújo, B.Q., Carvalho, A.A., et al. Antiprotozoal activity of extracts and isolated triterpenoids of 'carnauba' (*Copernicia prunifera*) wax from Brazil. *Pharm. Biol.* 54(12), 3280-3284 (2016).

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