

Product Data Sheet

Product Name: Carnaubadiol

Cat. No.: GC46112

Chemical Properties

Cas. No. 4547-30-2

SMILES O[C@](CC[C@@H](C)C(C)=C)(C)[C@@]1([H])CC[C@@]2(C)[C@]3(C)CC[C@@]4([H])C(C)(C)[C@@H](O)CC[C@]4(C)[C@@]3([H])CC[C@@]21[H]

Formula C₃₁H₅₄O₂

M.Wt 458.8

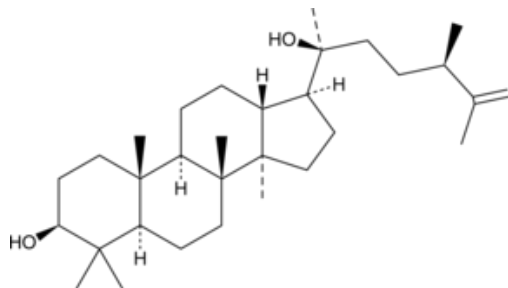
Solubility Soluble in DMSO

Storage Store at -20°C

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

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

Structure



Background

Carnaubadiol is a triterpene that has been found in *E. corollata* and has antiprotozoal activities.^{1,2} It is active against *L. infantum* promastigotes and amastigotes, as well as *T. cruzi* trypomastigotes (IC₅₀s = 46.2, 7.8, and 14.9 μM, respectively).²

[1. Piatak, D.M., and Reimann, K.A. Plant investigations IV. Corollatadiol A new triterpene from *euphorbia corollata*. *Tetrahedron Lett.* 13(44), 4525-4528 (1972).|2. 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).

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

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