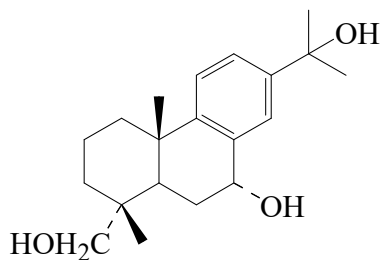




>>8,11,13-Abietatriene-7,15,18-triol



GGO10-W

C₂₀H₃₀O₃ M 318.455. 318.219495. C 75.43%; H 9.49%; O 15.07%

>>7 α -form. GGO70-O

C₂₀H₃₀O₃ M 318.455. 318.219495. C 75.43%; H 9.49%; O 15.07%

>>18-Aldehyde: **7,15-Dihydroxy-8,11,13-abietatrien-18-al**. GGO71-P [213329-44-3] Classification:VS5550.

C₂₀H₂₈O₃ M 316.439. 316.203845. C 75.91%; H 8.92%; O 15.17%. Constit. of *Larix kaempferi*. Oil. $[\alpha]_D^{23}$ -17 (c, 0.21 in CHCl₃)

>>7-Ketone: **15,18-Dihydroxy-8,11,13-abietatrien-7-one**. GGO72-Q [213329-45-4] Classification:VS5550. C

C₂₀H₂₈O₃ M 316.439. 316.203845. C 75.91%; H 8.92%; O 15.17%. Constit. of *Larix kaempferi*. Oil. $[\alpha]_D^{23}$ -11 (c, 1.38 in CHCl₃). [neutral] $\lambda_{\max}$ 253 (log ϵ 3.96); 299 (log ϵ 3.26) (EtOH)

Ohtsu, H. *et al.*, *J. Nat. Prod.*, 1998, **61**, 1307-1309, (*isol*, *pmr*, *cmr*)