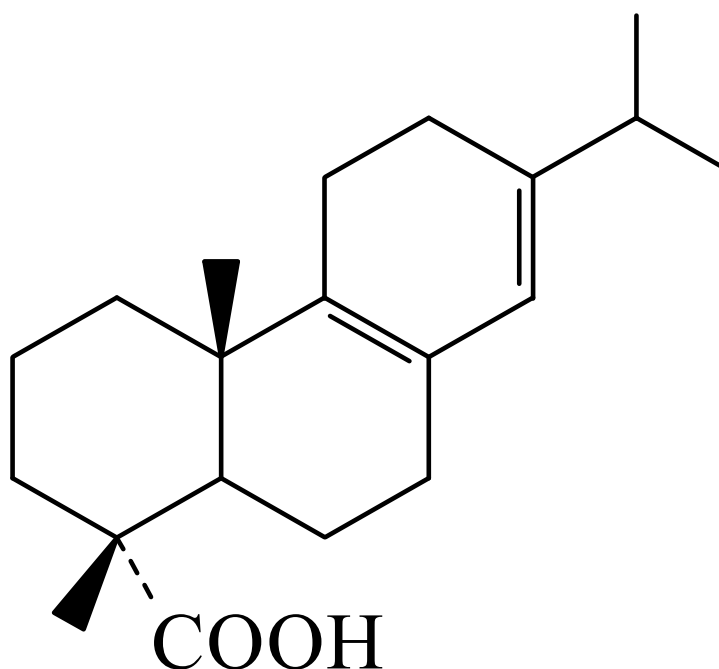




>>8,13-Abietadien-18-oic acid



Palustric acid

KXN81-U

[1945-53-5]

Classification:VS5550

C₂₀H₃₀O₂ M 302.456. 302.22458. C 79.42%; H 10.00%; O 10.58%

Constit. of *Pinus palustris*, *Pinus pallasiana*, *Pinus pityusa* and *Pinus caribaea*. Cryst. (MeOH). Mp 162-167°. [α]_D +71.6 (EtOH). [base] λ_{max} 265 () (NAOH) (Berdy)

>>18-Aldehyde: 8,13-Abietadien-18-al. **Palustral** . LFR44-U [13508-03-7] Classification:VS5550. C₂₀H₃₀O M 286.456. 286.229665. C 83.86%; H 10.56%; O 5.59%. Isol. from *Pinus koraiensis* and other conifers. Cryst. (EtOH). [α]_D²⁰ +59 (c, 4.24 in CHCl₃)

>>8α,9α:13α,14α-Diepoxy: **8,9:13,14-Diepoxy-18-abietanoic acid** . MWX84-K Classification:VS5550. C₂₀H₃₀O₄ M 334.455. 334.21441. C 71.82%; H 9.04%; O 19.13%. Constit. of *Lepechinia caulescens*. Cryst. (diisopropyl ether) (as Me ester). Mp 130-132° (Me ester)

Wenkert, E. *et al.*, *J.A.C.S.*, 1964, **86**, 2038

Radulgin, V.A. *et al.*, *Khim. Prir. Soedin.*, 1974, **10**, 674; *Chem. Nat. Compd. (Engl. Transl.)*, 1974, **10**, 696, (*Palustral*)

Delgado, G. *et al.*, *Phytochemistry*, 1994, **37**, 1119, (*diepoxy*)