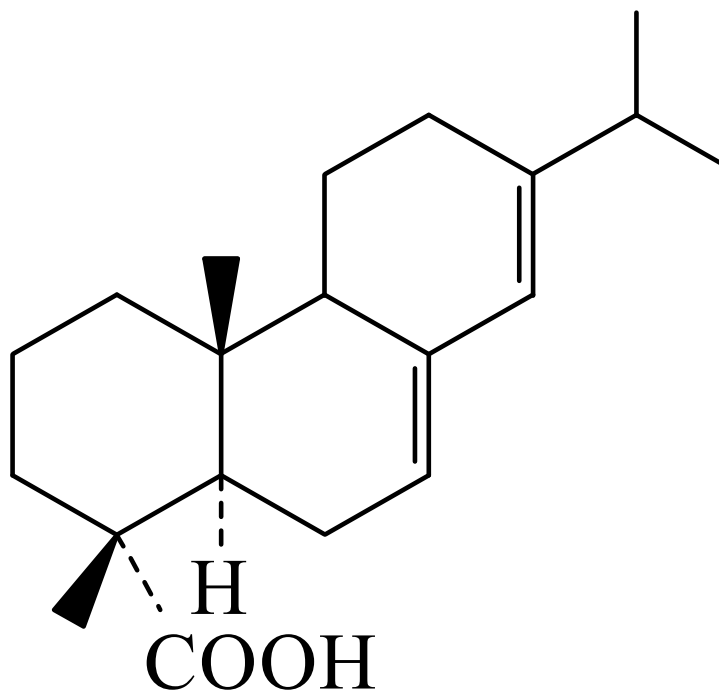




>>7,13-Abietadien-18-oic acid



Abietic acid

JWL15-B

[514-10-3]

Classification:VS5550

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

Constit. of *Pinus* spp. Also from *Abies sibirica*, *Larix* spp., *Agathis* spp. and *Picea jezoensis*. Used in metal soaps, additive in fermentations. Plates (EtOH). BERDY SOL: Sol. MeOH, Et₂O; poorly sol. H₂O. Mp 171-173 °. [α]_D¹⁵ -102 (EtOH). [neutral] λ_{max} 241 () (MeOH) (Berdy). The Abietic acid of commerce is often a resinous mixt. of acids obt. by acid isomerisation of pine resin. The major allergen in non-modified colophony.

♦LD₅₀ (mus, ivn) 180 mg/kg. Skin irritant and contact allergen. TP8580000.

Supplier: Aldrich:16502-6. Fluka:10. Sigma:A9424

>>Me ester: BOF41-O [127-25-3] C₂₁H₃₂O₂ M 316.483. 316.24023. C 79.70%; H 10.19%; O 10.11%. Oil. d 1.05. Bp₁ 170-180°. [α]_D -83.5 (neat). n_D²⁰ 1.5286.

Supplier: Rare Chemicals Library:S64878-7

>>Anhydride: NKR66-H C₄₀H₅₈O₃ M 586.896. 586.438595. C 81.86%; H 9.96%; O 8.18%. Formed in high-temperature rectification of pine resin. Minor constit. of coml. colophony. Mp 153-155°

>>7α,8α:13β,14β-Diepoxy: 7,8:13,14-Diepoxy-18-abietanoic acid. KSV98-J [338797-36-7]

Classification:VS5550. C₂₀H₃₀O₄ M 334.455. 334.21441. C 71.82%; H 9.04%; O 19.13%. Constit. of *Larix kaempferi*. Needles (EtOAc/hexane). [α]_D²³ -5 (c, 0.2 in CHCl₃)

>>ent-form. JGZ83-E

Classification:VS5550

C₂₀H₃₀O₂ M 302.456. 302.22458. C 79.42%; H 10.00%; O 10.58%. Constit. of *Solidago nemoralis*

Gum. [α]_D²⁴ -25 (c, 0.2 in CHCl₃). Struct. not certain