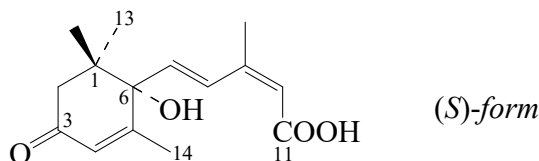




>>Absciscic acid



5-(1-Hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl)-3-methyl-2,4-pentadienoic acid, 9Cl. Abscisin II.

Dormin

JXK50-K

[7773-56-0]

C₁₅H₂₀O₄ M 264.321. 264.13616. C 68.16%; H 7.63%; O 24.21%

Terpenoid (cyclofarnesane) numbering shown. Other schemes freq. encountered. [acid] λ_{max} 252 (ε 25200) (no solvent reported) (Derep) [base] λ_{max} 244 (ε 25000) (EtOH/NaOH) (Derep) [neutral] λ_{max} 245 (sh) (ε); 260 (ε 21300) (EtOH) (Derep).

♦RZ2475100.

Supplier: Aldrich:86225-8. Fluka:12. Sigma:A4906

[2228-72-0] [52392-36-6]

>>(S)-form. JGZ68-D [21293-29-8]

Classification:WA2800 WI2000 WI2500 VS1450 WI1800

C₁₅H₂₀O₄ M 264.321. 264.13616. C 68.16%; H 7.63%; O 24.21%. Constit. of sycamore, birch, rose, cabbage, potato, lemon etc.. Used to regulate fruit ripening. Abscission-accelerating substance. Plays a role in plant signal transduction and pest resistance of plants

Cryst. (CHCl₃/petrol). Mp 160-161°. [α]_D +430. The incorrect abs. config. was formerly assigned. [72029-68-6] [72029-69-7]

>>β-D-Glucopyranosyl ester: **Abscisyl β-D-glucopyranoside** . LDM61-K [21414-42-6] Classification:VS1450. C₂₁H₃₀O₉ M 426.463. 426.188985. C 59.14%; H 7.09%; O 33.76%. Isol. from immature fruits of *Lupinus luteus*. Growth inhibitor. Mp 114°. [α]_D¹⁷ +180 (c, 0.35 in EtOH)

>>11-Aldehyde: **Absciscic aldehyde** . LGB47-C [41944-86-9] Classification:VS1450. C₁₅H₂₀O₃ M 248.321. 248.141245. C 72.55%; H 8.12%; O 19.33%. Immediate precursor of absciscic acid. Cryst. (CH₂Cl₂/hexane). Mp 127-128°. [α]_D²⁰ +450.5 (c, 1 in EtOH)

>>14-Hydroxy: **Nigelllic acid** . JXK51-L [91897-25-5] Classification:VS1450. C₁₅H₂₀O₅ M 280.32. 280.131075. C 64.27%; H 7.19%; O 28.54%. Isol. from *Xanthium strumarium*, *Nigella damascena* and leaves of *Vicia faba*. Mp 185-187°

>>13-Hydroxy: 13-Hydroxyabsciscic acid. JXK52-M [25841-53-6] Classification:VS1450 WA2800. C₁₅H₂₀O₅ M 280.32. 280.131075. C 64.27%; H 7.19%; O 28.54%. Constit. of cowpea (*Vigna unguiculata*) fruits

>>13-Hydroxy, 3-alcohol: **Pisumic acid** . LMQ87-B Classification:WA2800 VS1450. C₁₅H₂₂O₅ M 282.336. 282.146725. C 63.81%; H 7.85%; O 28.33%. Isol. from peas (*Pisum sativum*) irrigated with (±)-absciscic acid. Tentative struct.

>>3α-Alcohol: **4'-Dihydroabsciscic acid** . LPF41-B [84026-26-6] Classification:WA2800 VS1450. C₁₅H₂₂O₄ M

>>3β-Alcohol: LPF42-C [85718-96-3] Classification:VS1450. C₁₅H₂₂O₄ M 266.336. 266.15181. C 67.65%; H 8.33%; O 24.03%. Metab. of *Cercospora* spp. Constit. of various plant spp.. Precursor of absciscic acid in higher plants. [neutral] λ_{max} 265 () (EtOH) (Berdy)