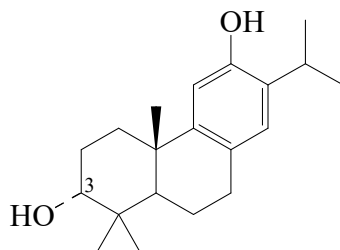




>>8,11,13-Abietatriene-3,12-diol



3 α -form

JSZ37-Z

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

>>3 α -form. LLQ82-P

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

>>12-Me ether: **12-Methoxy-8,11,13-abietatrien-3 α -ol**. LLQ83-Q Classification:VS5550. C₂₁H₃₂O₂ M 316.483. 316.24023. C 79.70%; H 10.19%; O 10.11%. Constit. of *Trypterygium wilfordii*. Needles (hexane). Mp 157-158°. [α]_D²²+44 (c, 0.72 in CHCl₃)

>>3-Ketone: 12-Hydroxy-8,11,13-abietatrien-3-one. **Hinokione**. KDM93-K [472-37-7] Classification:VS5550. C₂₀H₂₈O₂ M 300.44. 300.20893. C 79.96%; H 9.39%; O 10.65%. Constit. of *Trypterygium articulata* and *Chamaecyparis* spp.. Cryst.. Mp 191-192°. [α]_D+111.9

>>3-Ketone, 6,7-didehydro: 12-Hydroxy-6,8,11,13-abietatetraen-3-one. **Hypargenin D**. HQD15-B [119767-14-5] Classification:VS5550. C₂₀H₂₆O₂ M 298.424. 298.19328. C 80.50%; H 8.78%; O 10.72%. Isol. from *Salvia hypargeia*. Shows antibacterial props.. Orange amorph. solid. [neutral] $\lambda_{\max}$ 224 (ϵ 20000); 246 (ϵ 31200); 337 (ϵ 4000) (MeOH) (Berdy)

>>3-Ketone, 1 α ,2 α -epoxy: 1 α ,2 α -Epoxy-12-hydroxy-8,11,13-abietatrien-3-one. **1,2-Epoxyhinokione**. KDM94-L Classification:VS5550. C₂₀H₂₆O₃ M 314.424. 314.188195. C 76.40%; H 8.33%; O 15.27%. Constit. of *Chamaecyparis obtusa*. Needles (Et₂O/hexane). Mp 157-159°. [α]_D²⁴+224 (c, 0.66 in CHCl₃)

>>3 β -form. **Hinokiol**. Taiwanin D. JSZ38-A [564-73-8]

Classification:VS5550

C₂₀H₃₀O₂ M 302.456. 302.22458. C 79.42%; H 10.00%; O 10.58%. Constit. of various woods including *Cupressus* spp., *Tetraclinis* spp. and *Taiwania cryptomeroides*

Cryst. (EtOH). Mp 234-235°. [α]_D²⁰+74.4 (CHCl₃)

>>3-Ac: FOV16-E [61494-68-6] Classification:VS5550. C₂₂H₃₂O₃ M 344.493. 344.235145. C 76.70%; H 9.36%; O 13.93%. Constit. of *Cunninghamia konishii*. Pale yellow oil. [α]_D²⁵+62.9 (c, 0.21 in CHCl₃). [neutral] $\lambda_{\max}$ 205 (log ϵ 4.36); 225 (sh) (log ϵ 3.88); 282 (log ϵ 3.42) (MeOH)

>>3-Benzoyl: **3-O-Benzoylhinokiol**. LKD58-S Classification:VS5550. C₂₇H₃₄O₃ M 406.564. 406.250795. C 79.77%; H 8.43%; O 11.81%. Constit. of *Hoslundia opposita*. Pale yellow powder. [α]_D²¹+68 (c, 0.2 in CHCl₃)