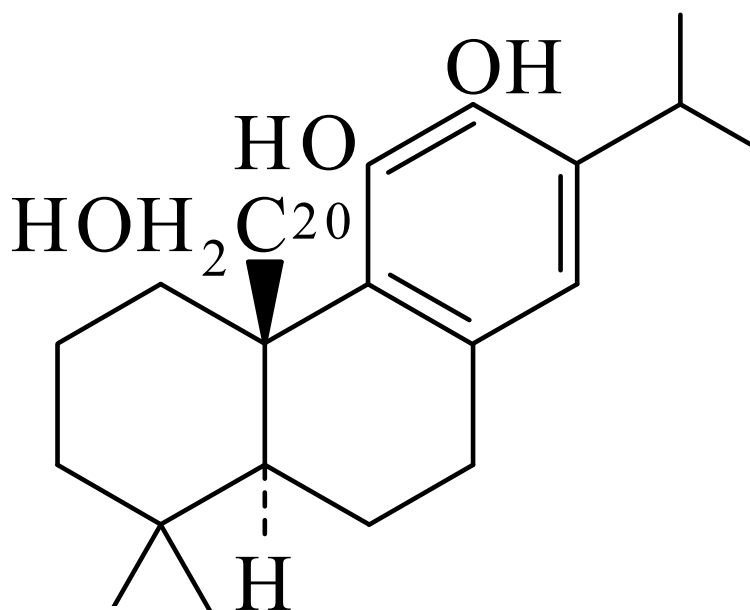




>>8,11,13-Abietatriene-11,12,20-triol



ENTRY UNDER REVIEW

KWD08-Y

Classification:VS5550

$C_{20}H_{30}O_3$ M 318.455. 318.219495. C 75.43%; H 9.49%; O 15.07%

Isol. from *Salvia mellifera*. Amorph. solid

>>20-Carboxylic acid: 11,12-Dihydroxy-8,11,13-abietatrien-20-oic acid. **Carnosic acid**. Deoxypicrosalvinic acid. **Salvin**†. JXH93-K [3650-09-7] Classification:VS5550. $C_{20}H_{28}O_4$ M 332.439. 332.19876. C 72.26%; H 8.49%; O 19.25%. Isol. from *Salvia officinalis*, *Salvia canariensis*, *Salvia apiana* and *Rosmarinus officinalis*. Cryst. (hexane). BERDY SOL: Sol. Et₂O, MeOH, bases, CHCl₃; poorly sol. H₂O. Mp 185-190 dec.°. $[\alpha]_D^{23} +191$ (c, 1.07 in MeOH). [neutral] λ_{max} 212 (ϵ 21500); 233 (ϵ 9650); 284 (ϵ 1690) (EtOH) (Berdy)

>>20-Carboxylic acid, di-Ac: JXH87-L Needles (hexane). Mp 212-217° (196-215° dec.). $[\alpha]_D^{22} +139$ (c, 1.15 in CHCl₃)

>>20→11 Lactone, 12-Me ether: **12-Methoxy-8,11,13-abietatrien-20,11-olide**. KZV62-R

Classification:VS5550. $C_{21}H_{28}O_3$ M 328.45. 328.203845. C 76.79%; H 8.59%; O 14.61%. Constit. of *Salvia officinalis*. Cryst. (petrol). Mp 112-114°

Linde, H. *et al.*, *Helv. Chim. Acta*, 1964, **47**, 1234, (isol, uv, ir, pmr)

Wenkert, E. *et al.*, *J.O.C.*, 1965, **30**, 2931, (isol, ir, pmr, config)

Narayanan, C.R. *et al.*, *Tet. Lett.*, 1965, 3647, (struct)

Meyer, W.L. *et al.*, *Tet. Lett.*, 1966, 4261, (synth)

Dentali, S.J. *et al.*, *Phytochemistry*, 1990, **29**, 993, (isol)

González, A.G. *et al.*, *Phytochemistry*, 1991, **30**, 4067, (isol, pmr, cmr)

Djarmati, Z. *et al.*, *Phytochemistry*, 1992, **31**, 1307, (isol, pmr, cmr, cryst struct)