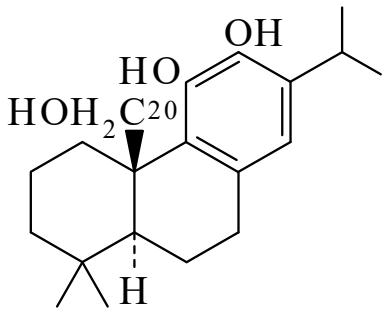
>>**Entry Name: 8,11,13-Abietatriene-11,12,20-triol**
ENTRY UNDER REVIEW



Molecular Formula: $C_{20}H_{30}O_3$
Molecular Weight: 318.455
Accurate Mass: 318.219495
Percentage Composition: C 75.43%; H 9.49%; O 15.07%
Biological Source: Isol. from *Salvia mellifera*
Physical Description: Amorph. solid

>>**Derivative:** 20-Carboxylic acid
Synonym(s): 11,12-Dihydroxy-8,11,13-abietatrien-20-oic acid. **Carnosic acid.** Deoxypicrosalvinic acid. **Salvin‡**
CAS Registry Number: 3650-09-7

Molecular Formula: $C_{20}H_{28}O_4$
Molecular Weight: 332.439
Accurate Mass: 332.19876
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Biological Source: Isol. from *Salvia officinalis*, *Salvia canariensis*, *Salvia apiana* and *Rosmarinus officinalis*
Physical Description: Cryst. (hexane)
Melting Point: Mp 185-190 dec.°
Optical Rotation: $[\alpha]_D^{23}$+191 (c, 1.07 in MeOH)
Solubility: BERDY SOL: Sol. Et_2O, MeOH, bases, $CHCl_3$; poorly sol. H_2O
UV: [neutral] λ_{max} 212 (ε 21500); 233 (ε 9650); 284 (ε 1690) (EtOH) (Berdy)

>>**Derivative:** 20-Carboxylic acid, di-Ac

Physical Description: Needles (hexane)
Melting Point: Mp 212-217° (196-215° dec.)
Optical Rotation: $[\alpha]_D^{22}$+139 (c, 1.15 in $CHCl_3$)

>>**Derivative:** 20→11 Lactone, 12-Me ether
Synonym(s): 12-Methoxy-8,11,13-abietatrien-20,11-olide

Molecular Formula: $C_{21}H_{28}O_3$
Molecular Weight: 328.45
Accurate Mass: 328.203845
Percentage Composition: C 76.79%; H 8.59%; O 14.61%
Biological Source: Constit. of *Salvia officinalis*
Physical Description: Cryst. (petrol)
Melting Point: Mp 112-114°

References:

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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)*
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