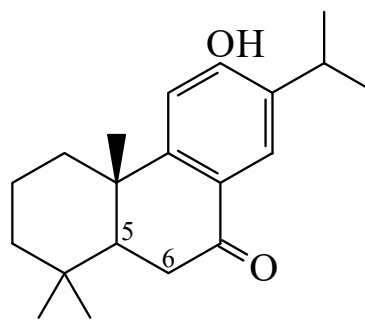




>>Entry Name: 12-Hydroxy-8,11,13-abietatrien-7-one
Synonym(s): Sugiol. Isomicropinic acid. 7-Oxoferruginol



CAS Registry Number: 511-05-7

Molecular Formula: C₂₀H₂₈O₂

Molecular Weight: 300.44

Accurate Mass: 300.20893

Percentage Composition: C 79.96%; H 9.39%; O 10.65%

Biological Source: Constit. of *Cryptomeria japonica*, *Dacrydium cupressinum*, *Juniperus communis* and *Salvia miltiorrhiza*

Physical Description: Cryst. (AcOH)

Melting Point: Mp 295-297°

Optical Rotation: $[\alpha]_D^{20} +22.6$ (c, 1.2 in dioxan)

>>Derivative: Me ether

Synonym(s): 12-Methoxy-8,11,13-abietatrien-7-one. Sugiol methyl ether

Molecular Formula: C₂₁H₃₀O₂

Molecular Weight: 314.467

Accurate Mass: 314.22458

Percentage Composition: C 80.21%; H 9.62%; O 10.18%

Biological Source: Constit. of *Juniperus formosana* var. *concolor*

Physical Description: Needles (MeOH)

Melting Point: Mp 126-127°

Optical Rotation: $[\alpha]_D^{25} +42.9$ (c, 0.8 in CHCl₃)

>>Variant: enol-form

Synonym(s): 6,8,11,13-Abietatetraene-7,12-diol. Trilobinol

CAS Registry Number: 128741-28-6

Molecular Formula: C₂₀H₂₈O₂

Molecular Weight: 300.44

Accurate Mass: 300.20893

Percentage Composition: C 79.96%; H 9.39%; O 10.65%

Biological Source: Isol. from *Salvia triloba*

Physical Description: Yellow amorph. powder

References:

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Cambie, R.C. *et al.*, *Aust. J. Chem.*, 1971, **24**, 217, (*isol*)
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Matsumoto, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 1575, (*bibl*)
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Das, S. *et al.*, *Tet. Lett.*, 1994, **35**, 4027, (*synth*)
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