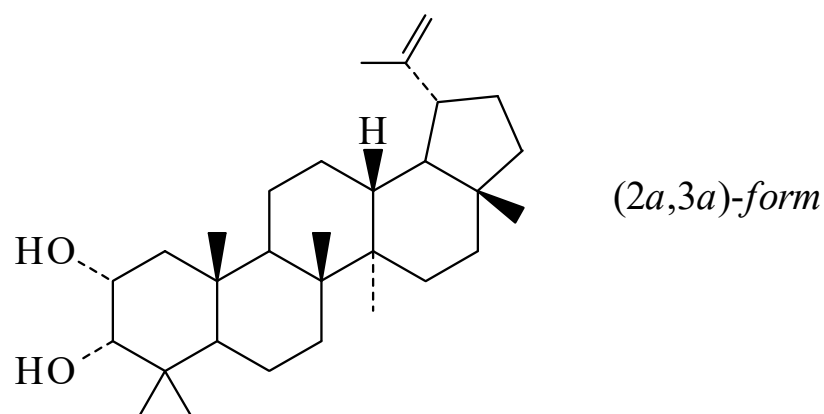




>>Entry Name: 20(29)-Lupene-2,3-diol



Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

>>Variant: (2 α ,3 α)-form

CAS Registry Number: 55476-83-0

Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Source: Constit. of *Pterocarpus santalinus* and *Euonymus revolutus*

Physical Description: Cryst. (CHCl₃/hexane)

Melting Point: Mp 225-226°

Optical Rotation: [α]_D +25.4 (c, 0.2 in CHCl₃)

>>Variant: (2 α ,3 β)-form

CAS Registry Number: 61448-03-1

Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Source: Constit. of *Pterocarpus santalinus*, *Salvia* spp. and *Rhododendron macrocephalum*

Physical Description: Cryst.

Melting Point: Mp 233-234°

Optical Rotation: [α]_D +12.5 (c, 0.2 in CHCl₃)

>>Derivative: 2-Me ether

Synonym(s): 2-Methoxy-20(29)-lupen-3-ol

Molecular Formula: C₃₁H₅₂O₂

Molecular Weight: 456.751

Accurate Mass: 456.39673

Percentage Composition: C 81.52%; H 11.47%; O 7.01%

Biological Source: Constit. of *Salvia palaestina*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 225-227°

Optical Rotation: [α]_D²¹ -20.8 (c, 0.45 in CHCl₃)

References:

- Kumar, N. *et al.*, *Phytochemistry*, 1975, **14**, 521; 1976, **15**, 1417, (*isol*)
Ageta, H. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 369, (*isol*, *pmr*)
Hisham, A. *et al.*, *Phytochemistry*, 1996, **42**, 789, (*isol*, *pmr*, *cmr*)
Hussein, A.A. *et al.*, *Phytochemistry*, 1997, **45**, 1663-1668, (*2-Me ether*)