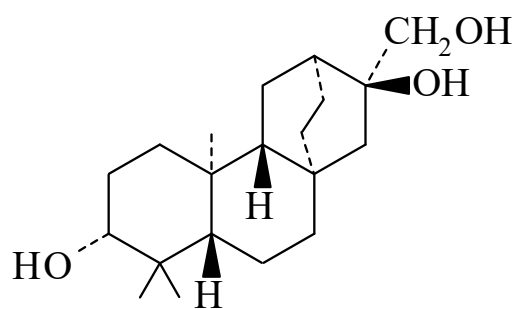




>>Entry Name: 3,16,17-Atisanetriol



Molecular Formula: C₂₀H₃₄O₃

Molecular Weight: 322.487

Accurate Mass: 322.250795

Percentage Composition: C 74.49%; H 10.63%; O 14.88%

>>Variant: (*ent*-3 β ,16 α)-form

CAS Registry Number: 115783-44-3

Molecular Formula: C₂₀H₃₄O₃

Molecular Weight: 322.487

Accurate Mass: 322.250795

Percentage Composition: C 74.49%; H 10.63%; O 14.88%

Biological Source: Constit. of *Euphorbia acaulis*

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 226°

>>Derivative: 3-Ac

Molecular Formula: C₂₂H₃₆O₄

Molecular Weight: 364.524

Accurate Mass: 364.26136

Percentage Composition: C 72.49%; H 9.95%; O 17.56%

Biological Source: Constit. of *Euphorbia sieboldiana*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²³ -76.9 (c, 0.3 in CHCl₃)

>>Derivative: 3-Ketone

Synonym(s): *ent*-16 α ,17-Dihydroxy-3-atisanone

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

Biological Source: Isol. from *Euphorbia acaulis* and *Euphorbia fidjiana* and *Homalanthus acuminatus*

Physical Description: Cryst. (EtOAc) or oil

Melting Point: Mp 138°

Optical Rotation: [α]_D²⁵ -86 (c, 0.7 in CHCl₃). [α]_D²⁷ -30.8 (c, 1 in CHCl₃)

References:

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Satti, N.K. *et al.*, *Phytochemistry*, 1988, **27**, 1530
Cambie, R.C. *et al.*, *Acta Cryst. C*, 1990, **46**, 2387, (*cryst struct*)
Lal, A.R. *et al.*, *Phytochemistry*, 1990, **29**, 1925
Jia, Z. *et al.*, *Planta Med.*, 1991, **57**, 569, (*acetate*)
Gustafson, K.R. *et al.*, *Tetrahedron*, 1991, **47**, 4547, (*ketone*)