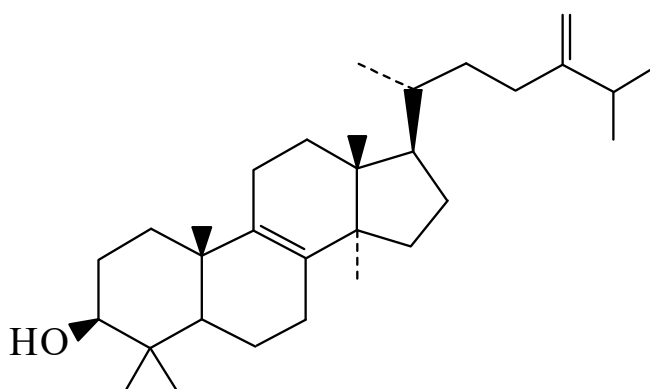




>>Entry Name: 24-Methylenelanost-8-en-3-ol



Molecular Formula: C₃₁H₅₂O

Molecular Weight: 440.751

Accurate Mass: 440.401815

Percentage Composition: C 84.48%; H 11.89%; O 3.63%

>>Variant: 3β-form

Synonym(s): Eburicol. Obtusifoldienol

CAS Registry Number: 6890-88-6

Molecular Formula: C₃₁H₅₂O

Molecular Weight: 440.751

Accurate Mass: 440.401815

Percentage Composition: C 84.48%; H 11.89%; O 3.63%

Biological Source: Isol. from *Fomes officinalis* and *Mucor pusillus*

Biological Use/Importance: Biogenetic precursor of steroids

Physical Description: Cryst.

Melting Point: Mp 158-159°

Optical Rotation: [α]_D +66 (c, 0.3 in CHCl₃)

>>Derivative: Ac

CAS Registry Number: 17837-80-8

Molecular Formula: C₃₃H₅₄O₂

Molecular Weight: 482.788

Accurate Mass: 482.41238

Percentage Composition: C 82.10%; H 11.27%; O 6.63%

Biological Source: Isol. from *Fomes officinalis*. Component of A Li Hong

Melting Point: Mp 142-143°

>>Derivative: 3-Ketone

Synonym(s): 24-Methylenelanost-8-en-3-one

Molecular Formula: C₃₁H₅₀O

Molecular Weight: 438.735

Accurate Mass: 438.386165

Percentage Composition: C 84.87%; H 11.49%; O 3.65%

Biological Source: Constit. of *Neolitsea sericea*

Physical Description: Plates

References:

Lahey, F.N. *et al.*, *J.C.S.*, 1951, 873, (*synth*)

González González, A. *et al.*, *CA*, 1959, **53**, 20123, (*isol*)

Barton, D.H.R. *et al.*, *Chem. Comm.*, 1966, 595, (*biosynth*)

Epstein, W.W. *et al.*, *J.O.C.*, 1966, **31**, 3434, (*isol*)

Anding, C. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. D*, 1973, **276**, 205, (*biosynth*)

Sharma, M.C. *et al.*, *Phytochemistry*, 1994, **37**, 201, (*3-ketone*)