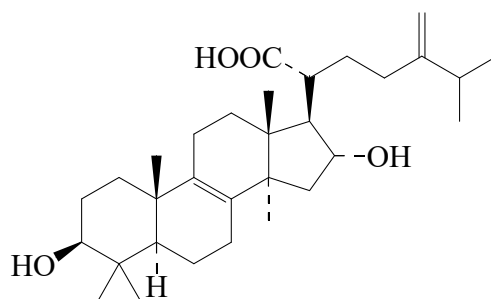




>>Entry Name: 3,16-Dihydroxy-24-methylenelanost-8-en-21-oic acid

Synonym(s): 3,16-Dihydroxyeburica-8,24(28)-dien-21-oic acid



Molecular Formula: C₃₁H₅₀O₄

Molecular Weight: 486.734

Accurate Mass: 486.37091

Percentage Composition: C 76.50%; H 10.35%; O 13.15%

>>Variant: (3 β ,16 α)-form

Synonym(s): Tumulosic acid

CAS Registry Number: 508-24-7

Molecular Formula: C₃₁H₅₀O₄

Molecular Weight: 486.734

Accurate Mass: 486.37091

Percentage Composition: C 76.50%; H 10.35%; O 13.15%

Biological Source: Metab. of *Polyporus* and *Poria* spp. and *Trametes lilocinogilva*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 306 dec.°

Optical Rotation: [α]_D +8.1 (c, 3.30 in Py)

>>Derivative: Me ester

Molecular Formula: C₃₂H₅₂O₄

Molecular Weight: 500.76

Accurate Mass: 500.38656

Percentage Composition: C 76.75%; H 10.47%; O 12.78%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 164-164.5°

Optical Rotation: [α]_D +26.6 (c, 1.69 in CHCl₃)

>>Derivative: 3-Ac

Synonym(s): Pachymic acid

CAS Registry Number: 29070-92-6

Molecular Formula: C₃₃H₅₂O₅

Molecular Weight: 528.771

Accurate Mass: 528.381475

Percentage Composition: C 74.96%; H 9.91%; O 15.13%

Biological Source: Isol. from *Poria cocos* and other fungi

Biological Use/Importance: Antiinflammatory agent

Melting Point: Mp 296-297°

Optical Rotation: [α]_D²² +17.7 (Py)

>>Derivative: 3-Ac, Me ester

Molecular Formula: C₃₄H₅₄O₅

Molecular Weight: 542.798

Accurate Mass: 542.397125

Percentage Composition: C 75.24%; H 10.03%; O 14.74%

Melting Point: Mp 184-186°

Optical Rotation: [α]_D²⁰ +41 (CHCl₃)