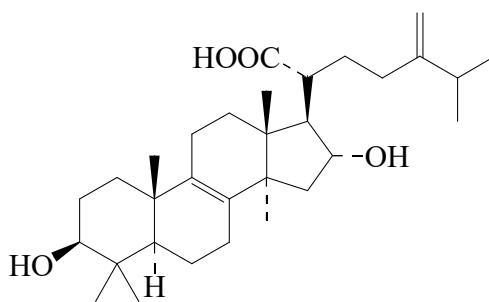




>>Entry Name: 3,16-Dihydroxy-24-methylenelanost-8-en-21-oic acid

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



**Molecular Formula:** C<sub>31</sub>H<sub>50</sub>O<sub>4</sub>

**Molecular Weight:** 486.734

**Accurate Mass:** 486.37091

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

>>Variant: (3β,16α)-form

Synonym(s): Tumulosic acid

CAS Registry Number: 508-24-7

**Molecular Formula:** C<sub>31</sub>H<sub>50</sub>O<sub>4</sub>

**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]<sub>D</sub> +8.1 (c, 3.30 in Py)

>>Derivative: Me ester

**Molecular Formula:** C<sub>32</sub>H<sub>52</sub>O<sub>4</sub>

**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]<sub>D</sub> +26.6 (c, 1.69 in CHCl<sub>3</sub>)

>>Derivative: 3-Ac

Synonym(s): Pachymic acid

CAS Registry Number: 29070-92-6

**Molecular Formula:** C<sub>33</sub>H<sub>52</sub>O<sub>5</sub>

**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]<sub>D</sub><sup>22</sup> +17.7 (Py)

>>Derivative: 3-Ac, Me ester

**Molecular Formula:** C<sub>34</sub>H<sub>54</sub>O<sub>5</sub>

**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]<sub>D</sub><sup>20</sup> +41 (CHCl<sub>3</sub>)