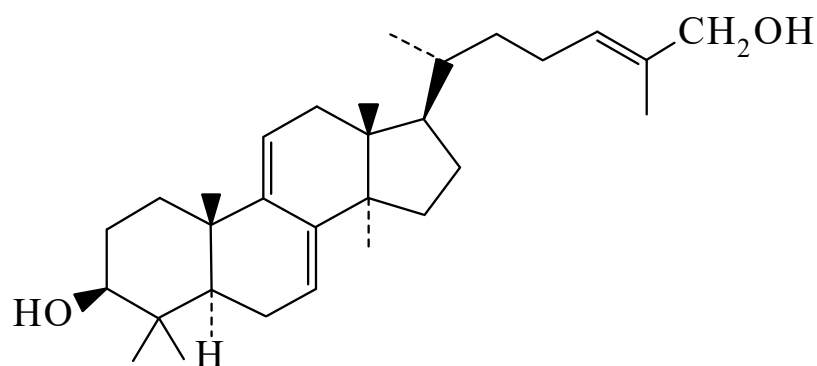




>>Entry Name: Lanosta-7,9(11),24-triene-3,26-diol



Related CAS Registry Numbers(s): 16929-95-6

Molecular Formula: C<sub>30</sub>H<sub>48</sub>O<sub>2</sub>

Molecular Weight: 440.708

Accurate Mass: 440.36543

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

>>Variant: (3 $\beta$ ,24*E*)-form

Synonym(s): **Ganoderol B**, Ganodermadiol

CAS Registry Number: 104700-96-1

Molecular Formula: C<sub>30</sub>H<sub>48</sub>O<sub>2</sub>

Molecular Weight: 440.708

Accurate Mass: 440.36543

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Constit. of fungus *Ganoderma lucidum*

Use/Importance: Angiotensin-converting enzyme inhibitor

Physical Description: Needles (MeOH)

Melting Point: Mp 171-173°

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>25</sup>+61 (c, 0.18 in CHCl<sub>3</sub>)

>>Derivative: 3-Ketone

Synonym(s): 26-Hydroxylanosta-7,9(11),24*E*-trien-3-one. **Ganoderol A**, Ganodermenonol

CAS Registry Number: 104700-97-2

Molecular Formula: C<sub>30</sub>H<sub>46</sub>O<sub>2</sub>

Molecular Weight: 438.692

Accurate Mass: 438.34978

Percentage Composition: C 82.14%; H 10.57%; O 7.29%

Biological Source: Constit. of *Ganoderma lucidum*

Use/Importance: Angiotensin-converting enzyme inhibitor

Physical Description: Leaflets (MeOH)

Melting Point: Mp 109-111° (99-101°)

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>23</sup>+38.96 (c, 1 in CHCl<sub>3</sub>)

>>Derivative: 3-Ketone, 26-aldehyde

Synonym(s): 3-Oxolanosta-7,9(11),24*E*-trien-26-al. **Ganoderol A**

CAS Registry Number: 104700-98-3

Molecular Formula: C<sub>30</sub>H<sub>44</sub>O<sub>2</sub>

Molecular Weight: 436.676

Accurate Mass: 436.33413

Percentage Composition: C 82.52%; H 10.16%; O 7.33%

Biological Source: Constit. of *Ganoderma lucidum*

Use/Importance: Angiotensin-converting enzyme inhibitor

Physical Description: Leaflets (MeOH)

Melting Point: Mp 127-128°

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>25</sup>+27 (c, 0.21 in CHCl<sub>3</sub>)

>>Derivative: 3-Ketone, 26-carboxylic acid

Synonym(s): 3-Oxolanosta-7,9(11),24*E*-trien-26-oic acid. **Tyromycic acid**, **Ganoderic acid S**†