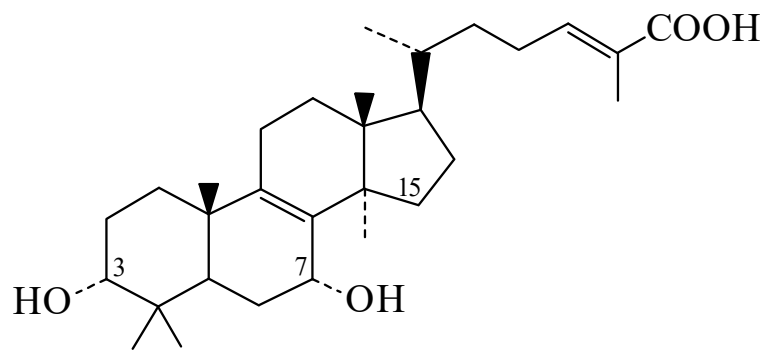




>>Entry Name: 3,7-Dihydroxylanosta-8,24-dien-26-oic acid



Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

>>Variant: (3 α ,7 α ,24*E*)-form

Synonym(s): Ganoderic acid T‡. Ganoderic acid U

CAS Registry Number: 86377-51-7

Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Constit. of *Ganoderma lucidum*

Use/Importance: Cytotoxin

Physical Description: Cryst.

Melting Point: Mp 196-199°

Optical Rotation: [α]_D +35

Solubility: BERDY SOL: Sol. MeOH, CH₂Cl₂; poorly sol. H₂O

>>Derivative: 3,7-Diketone

Synonym(s): 3,7-Dioxolanosta-8,24-dien-26-oic acid. **Ganoderic acid DM**

CAS Registry Number: 173075-45-1

Molecular Formula: C₃₀H₄₄O₄

Molecular Weight: 468.675

Accurate Mass: 468.32396

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

Biological Source: Constit. of *Ganoderma lucida*

Optical Rotation: [α]_D²⁰ +10.9 (c, 0.065 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 214 (log ϵ 3.91); 248 (log ϵ 3.84) (MeOH)

>>Variant: (3 β ,7 α ,24*E*)-form

Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

>>Derivative: 3-Epimer, 7-deoxy

Synonym(s): Ganoderic acid Z. 3 β -Hydroxylanosta-8,24*E*-dien-27-oic acid

CAS Registry Number: 86420-19-1

Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Isol. from *Ganoderma lucidum*

Use/Importance: Cytotoxin

UV: [neutral] $\lambda_{\max}$ 215 (ϵ 12500) (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 215 () (EtOH) (Berdy)