



Molecular Formula: C₃₂H₄₄O₉
Molecular Weight: 572.694
Accurate Mass: 572.298535
Percentage Composition: C 67.11%; H 7.74%; O 25.14%
Biological Source: From *Ganoderma lucidum*
Other Data: Ganoderic acids C and H appear to be identical but the Mps of the Me esters differ

>>Derivative: 7-Ketone, 12-Ac, Me ester

CAS Registry Number: 98665-19-1
Physical Description: Yellow needles
Melting Point: Mp 155-156° (91-93°)
Optical Rotation: [α]_D +167 (CHCl₃)

>>Derivative: 7-Ketone, 15 β -alcohol, 12-Ac
Synonym(s): Ganoderic acid α

CAS Registry Number: 220181-81-7

Molecular Formula: C₃₂H₄₆O₉
Molecular Weight: 574.71
Accurate Mass: 574.314185
Percentage Composition: C 66.88%; H 8.07%; O 25.06%
Biological Source: Constit. of *Ganoderma lucidum*
Physical Description: Amorph. powder
Optical Rotation: [α]_D +55 (c, 1 in CHCl₃)
UV: [neutral] $\lambda_{\max}$ 254 (ϵ 6310) (MeOH) (Berdy)

>>Derivative: 3,7-Diketone, 12-Ac
Synonym(s): 12-Acetoxy-3,7,11,15,23-pentaoxolanost-8-en-26-oic acid. **Ganoderic acid F** $\ddagger$

CAS Registry Number: 98665-15-7

Molecular Formula: C₃₂H₄₂O₉
Molecular Weight: 570.678
Accurate Mass: 570.282885
Percentage Composition: C 67.35%; H 7.42%; O 25.23%
Biological Source: From *Ganoderma lucidum*
Other Data: See also under 3,7,12-Trihydroxy-11,15,23-trioxolanost-8-en-26-oic acid [JW85-S](#)

>>Derivative: 3,7-Diketone, 12-Ac, Me ester

Physical Description: Amorph.
Optical Rotation: [α]_D +111 (CHCl₃)

>>Derivative: 3,7,12-Triketone
Synonym(s): 3,7,11,12,15,13-Hexaoxolanost-8-en-26-oic acid. **Ganosporeric acid A**

CAS Registry Number: 135357-25-4

Molecular Formula: C₃₀H₃₈O₈
Molecular Weight: 526.625
Accurate Mass: 526.25667
Percentage Composition: C 68.42%; H 7.27%; O 24.30%
Biological Source: Constit. of *Ganoderma lucidum*
Physical Description: Yellow cryst
Melting Point: Mp 115-118°
Optical Rotation: [α]_D²⁸ +48 (c,0.1 in CHCl₃)

References: