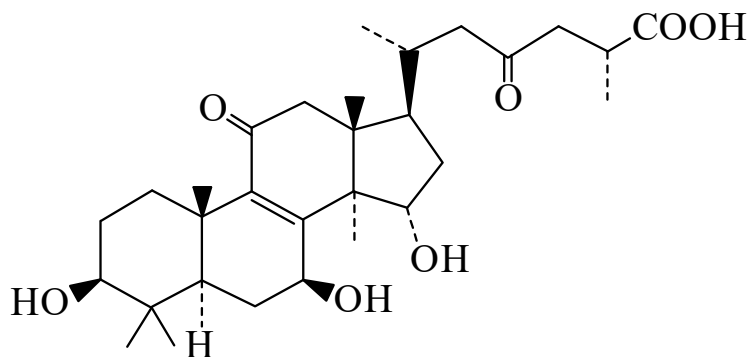




>>Entry Name: 3,7,15-Trihydroxy-11,23-dioxolanost-8-en-26-oic acid



Related CAS Registry Numbers(s): 103773-62-2

Molecular Formula: $C_{30}H_{46}O_7$

Molecular Weight: 518.689

Accurate Mass: 518.324355

Percentage Composition: C 69.47%; H 8.94%; O 21.59%

>>Variant: (3 β ,7 β ,15 α ,25*R*)-form

Synonym(s): Ganoderic acid C‡. Ganoderic acid D‡. Ganoderic acid E‡. Ganoderic acid C2

CAS Registry Number: 98296-48-1

Molecular Formula: $C_{30}H_{46}O_7$

Molecular Weight: 518.689

Accurate Mass: 518.324355

Percentage Composition: C 69.47%; H 8.94%; O 21.59%

Biological Source: Constit. of *Ganoderma lucidum*

Use/Importance: Inhibits histamine release

Physical Description: Cryst. (MeOH)

Melting Point: Mp 231-232° (198-199.5°)

Optical Rotation: $[\alpha]_D^{15} +95.5$ (c, 0.147 in MeOH)

>>Derivative: Me ester

Molecular Formula: $C_{31}H_{48}O_7$

Molecular Weight: 532.716

Accurate Mass: 532.340005

Percentage Composition: C 69.89%; H 9.08%; O 21.02%

Physical Description: Prisms

Melting Point: Mp 199-202°

Optical Rotation: $[\alpha]_D +98$ (CHCl₃)

>>Derivative: 3,15-Diketone

Synonym(s): 7-Hydroxy-3,11,15,23-tetraoxolanost-8-en-26-oic acid. Ganoderic acid C1. Ganoderic acid D‡

CAS Registry Number: 95311-97-0

Molecular Formula: $C_{30}H_{42}O_7$

Molecular Weight: 514.658

Accurate Mass: 514.293055

Percentage Composition: C 70.01%; H 8.23%; O 21.76%

Biological Source: Constit. of *Ganoderma lucidum*

Use/Importance: Inhibits histamine release

Physical Description: Cryst. (MeOH)

Melting Point: Mp 150-151°

Optical Rotation: $[\alpha]_D^{15} +175.4$ (c, 0.057 in CHCl₃)