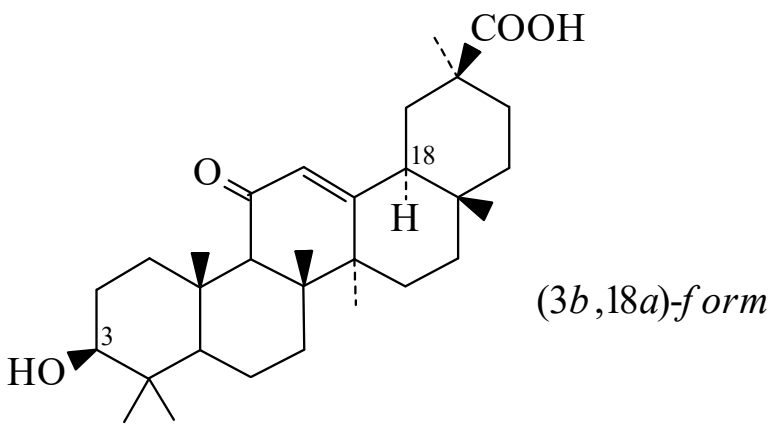
>>**Entry Name: 3-Hydroxy-11-oxo-12-oleanen-30-oic acid**



(3*b*,18*a*)-*form*

Molecular Formula: $C_{30}H_{46}O_4$
Molecular Weight: 470.691
Accurate Mass: 470.33961
Percentage Composition: C 76.55%; H 9.85%; O 13.60%
Calculated Log P Data: Log P 6.25 (calc)

>>**Variant:** (3β,18α)-form
Synonym(s): 18α-Glycyrrhetic acid. Isoglycyrrhetinic acid. β-Glycyrrhetinic acid. Uralenic acid

CAS Registry Number: 1449-05-4
Molecular Formula: $C_{30}H_{46}O_4$
Molecular Weight: 470.691
Accurate Mass: 470.33961
Percentage Composition: C 76.55%; H 9.85%; O 13.60%
Physical Description: Cryst. ($CHCl_3$/MeOH)
Melting Point: Mp 330-335°
Optical Rotation: $[\alpha]_D$ +98
Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; fairly sol. EtOH; poorly sol. H_2O
UV: [neutral] λ_{max} 242 (ε 12200) (MeOH) (Berdy)
Hazard & Toxicity: LD_{50} (mus, orl) 560 mg/kg

Sigma: G8503

>>**Variant:** (3β,18β)-form
Synonym(s): Glycyrrhetic acid. α-Glycyrrhetinic acid. Enoxolone, BAN, INN. Biogastrone acid. Biosone. Glycyrrhetin. Glycyrrhetinic acid. Rhetinic acid. Uralenic acid

CAS Registry Number: 471-53-4

Molecular Formula: $C_{30}H_{46}O_4$
Molecular Weight: 470.691
Accurate Mass: 470.33961
Percentage Composition: C 76.55%; H 9.85%; O 13.60%
Biological Source: Aglycone from *Glycyrrhiza glabra* and some other plants
Biological Use/Importance: Antibacterial, antitussive agent. Used in treatment of noninfective inflammatory disorders (skin, mouth, etc.)
Physical Description: Cryst. (MeOH)
Melting Point: Mp 300-304°
Optical Rotation: $[\alpha]_D$ +161 ($CHCl_3$)
Calculated Log P Data: Log P 6.25 (calc)
Other Data: Sweet taste
Hazard & Toxicity: LD_{50} (mus, ivn) 56 mg/kg, inhibits 11β-hydroxysteroid dehydrogenase
Aldrich: G1010-5
Fluka: 50510
Sigma: G5628