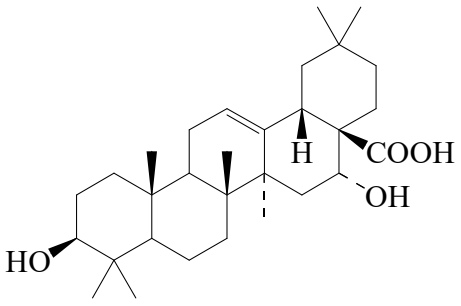
>>**Entry Name: 3,16-Dihydroxy-12-oleanen-28-oic acid**



(3β,16α)-*form*

Related CAS Registry Numbers(s): 69280-20-2

Molecular Formula: $C_{30}H_{48}O_4$
Molecular Weight: 472.707
Accurate Mass: 472.35526
Percentage Composition: C 76.23%; H 10.23%; O 13.54%

>>**Variant:** (3β,16α)-form
Synonym(s): Echinocystic acid. Albizziagenin

CAS Registry Number: 510-30-5
Type of Compound Code(s): XA4150 XA0900 VS8300
Molecular Formula: $C_{30}H_{48}O_4$
Molecular Weight: 472.707
Accurate Mass: 472.35526
Percentage Composition: C 76.23%; H 10.23%; O 13.54%
Biological Source: Sapogenin from *Echinocystis* spp., *Albizzia* spp. and others
Biological Use/Importance: Anthelmintic. Possesses expectorant props.
Physical Description: Cryst. (EtOH)
Melting Point: Mp 305-312 dec.°
Optical Rotation: $[\alpha]_D^{26}$+27.7 (EtOH)
Calculated Log P Data: Log P 7.21 (uncertain value) (calc)

>>**Derivative:** Me ester

CAS Registry Number: 2309-45-7
Molecular Formula: $C_{31}H_{50}O_4$
Molecular Weight: 486.734
Percentage Composition: C 76.50%; H 10.35%; O 13.15%
Melting Point: Mp 211-213°

>>**Derivative:** 3-*O*-Sulfate

Type of Compound Code(s): VS8300
Molecular Formula: $C_{30}H_{48}O_7S$
Molecular Weight: 552.771
Accurate Mass: 552.312075
Percentage Composition: C 65.19%; H 8.75%; O 20.26%; S 5.80%
Biological Source: Constit. of *Tetrapleura tetraptera*
Physical Description: Powder (MeOH aq.)
Melting Point: Mp 194-197°

>>**Derivative:** 28-*O*-[β-D-Glucopyranosyl-(1→6)-β-D-glucopyranosyl-(1→2)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester, 3-*O*-sulfate
Synonym(s): Rotundioside A

CAS Registry Number: 99633-17-7
Type of Compound Code(s): VS8300
Molecular Formula: $C_{54}H_{88}O_{27}S$
Molecular Weight: 1201.339
Accurate Mass: 1200.523375
Percentage Composition: C 53.99%; H 7.38%; O 35.96%; S 2.67%
Biological Source: Isol. from leaves of *Bupleurum rotundifolium*
Melting Point: Mp 232-237°
Optical Rotation: $[\alpha]_D^{23}$–11.6 (c, 0.78 in MeOH)