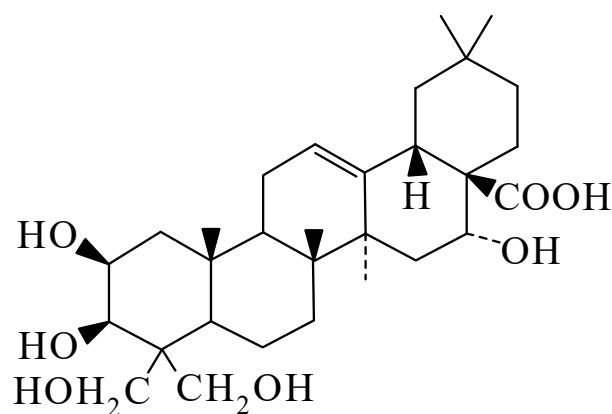




>>Entry Name: 2,3,16,23,24-Pentahydroxy-12-oleanen-28-oic acid



Molecular Formula: C₃₀H₄₈O₇

Molecular Weight: 520.705

Accurate Mass: 520.340005

Percentage Composition: C 69.20%; H 9.29%; O 21.51%

>>Variant: (2β,3β,16α)-form

Synonym(s): Platycodigenin

CAS Registry Number: 22327-82-8

Molecular Formula: C₃₀H₄₈O₇

Molecular Weight: 520.705

Accurate Mass: 520.340005

Percentage Composition: C 69.20%; H 9.29%; O 21.51%

Biological Source: Sapogenin from root of *Platycodon grandiflorum*

Use/Importance: Analgesic. Antitussive, expectorant agent

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 250-252 dec.°

Optical Rotation: [α]_D²⁵+35.3 (Py)

Calculated Log P Data: Log P 2.01 (calc)

>>Derivative: 3-O-β-D-Glucopyranoside

CAS Registry Number: 38337-25-6

Molecular Formula: C₃₆H₅₈O₁₂

Molecular Weight: 682.847

Accurate Mass: 682.39283

Percentage Composition: C 63.32%; H 8.56%; O 28.12%

Biological Source: Constit. of the roots of *Platycodon grandiflorum*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 274-275°. Mp 276°

Optical Rotation: [α]_D¹⁵+29.7 (Py)

>>Derivative: 3-O-β-D-Glucopyranoside, 28-O-[α-L-rhamnopyranosyl-(1→2)-α-L-arabinopyranosyl] ester

Synonym(s): Platycoside F

CAS Registry Number: 314756-03-1

Molecular Formula: C₄₇H₇₆O₂₀

Molecular Weight: 961.105

Accurate Mass: 960.493

Percentage Composition: C 58.74%; H 7.97%; O 33.29%

Biological Source: Constit. of *Platycodon grandiflorum*