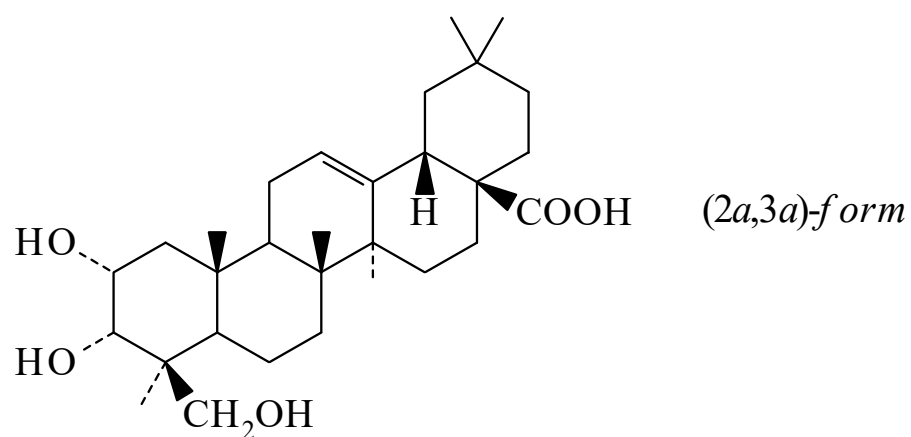




>>Entry Name: 2,3,24-Trihydroxy-12-oleanen-28-oic acid



Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

>>Variant: (2 α ,3 α)-form

CAS Registry Number: 88586-19-0

Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Isol. from *Polygala japonica* and *Prunella vulgaris*

Physical Description: Cryst. (MeOH) (as Me ester)

Melting Point: Mp 280-282° (Me ester)

Optical Rotation: [α]_D²⁷ +59.6 (c, 1 in CHCl₃) (Me ester)

>>Derivative: 28-O- β -D-Glucopyranosyl ester

Synonym(s): Vulgarsaponin A

CAS Registry Number: 274673-56-2

Molecular Formula: C₃₆H₅₈O₁₀

Molecular Weight: 650.848

Accurate Mass: 650.403

Percentage Composition: C 66.44%; H 8.98%; O 24.58%

Biological Source: Constit. of *Prunella vulgaris*

Optical Rotation: [α]_D²⁵ +28.6 (MeOH)

>>Derivative: 28-O-[β -D-Glucopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranosyl] ester

CAS Registry Number: 103444-92-4

Molecular Formula: C₄₈H₇₈O₂₀

Molecular Weight: 975.132

Accurate Mass: 974.50865

Percentage Composition: C 59.12%; H 8.06%; O 32.81%

Biological Source: Isol. from *Prunella japonica*

>>Variant: (2 α ,3 β)-form

Synonym(s): Hyptatic acid A

CAS Registry Number: 118711-55-0

Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Hyptis capitata*

Biological Use/Importance: Has antitumour activity

Physical Description: Cryst.

Melting Point: Mp 298-304°