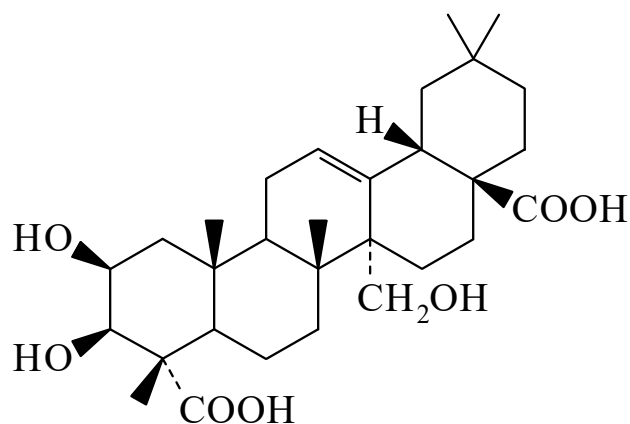




>>Entry Name: 2,3,27-Trihydroxy-12-oleanene-23,28-dioic acid



Related CAS Registry Number(s): 53862-32-1

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%

>>Variant: (2 β ,3 β)-form

Synonym(s): Presenegenin

CAS Registry Number: 2163-40-8

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: Sapogenin from *Polygala senega*, *Carpolobia glabrescens* and others

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 310-311°

Optical Rotation: $[\alpha]_D +91$ (c, 1.2 in MeOH)

>>Derivative: 3-O- β -D-Glucopyranoside

Synonym(s): Tenuifolin

CAS Registry Number: 20183-47-5

Molecular Formula: $C_{36}H_{56}O_{12}$

Molecular Weight: 680.831

Accurate Mass: 680.37718

Percentage Composition: C 63.51%; H 8.29%; O 28.20%

Biological Source: Constit. of *Polygala tenuifolia*, *Polygala senega* and *Pygeum africanum*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 298-300°

Optical Rotation: $[\alpha]_D +49$ (c, 0.8 in EtOH)

>>Derivative: 3-O- β -D-Glucopyranoside, 28-O-[β -D-xylopyranosyl-(1 $\rightarrow$ 4)- α -L-rhamnopyranosyl-(1 $\rightarrow$ 2)- β -D-fucopyranosyl] ester

Synonym(s): Polygalasaponin XXVIII

CAS Registry Number: 176182-01-7

Molecular Formula: $C_{53}H_{84}O_{24}$

Molecular Weight: 1105.232

Accurate Mass: 1104.53526

Percentage Composition: C 57.60%; H 7.66%; O 34.74%

Biological Source: Constit. of *Polygala japonica*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{30} -1$ (c, 0.52 in MeOH)