



>>Entry Name: Oleanolic acid bisdesmosides
ENTRY UNDER REVIEW

>>Variant: Diglycosides

>>Derivative: 3-*O*- α -L-Arabinopyranoside, 28-*O*- β -D-glucopyranosyl ester

CAS Registry Number: 93091-75-9

Molecular Formula: C₄₁H₆₆O₁₂

Molecular Weight: 750.965

Accurate Mass: 750.45543

Percentage Composition: C 65.58%; H 8.86%; O 25.57%

Biological Source: Isol. from ginseng (*Panax* sp.) and from *Lafoensia glyptocarpa*

Physical Description: Cryst.

Melting Point: Mp 220°

Optical Rotation: $[\alpha]_D^{25} +10.3$ (c, 0.0033 in MeOH)

>>Derivative: 3-*O*- β -D-Glucopyranoside, 28-*O*- β -D-xylopyranosyl ester

Synonym(s): Saponin F

CAS Registry Number: 66760-56-3

Molecular Formula: C₄₁H₆₆O₁₂

Molecular Weight: 750.965

Accurate Mass: 750.45543

Percentage Composition: C 65.58%; H 8.86%; O 25.57%

Biological Source: Constit. of *Eryngium bromelialfolium*

>>Derivative: 3-*O*- β -D-Glucopyranoside, 28-*O*- α -D-glucopyranosyl ester

Synonym(s): Anchusoside 1

CAS Registry Number: 72786-33-5

Molecular Formula: C₄₂H₆₈O₁₃

Molecular Weight: 780.991

Accurate Mass: 780.465995

Percentage Composition: C 64.59%; H 8.78%; O 26.63%

Biological Source: Constit. of *Anchusa officinalis*

Physical Description: Cryst. + 3H₂O (MeOH aq.)

Optical Rotation: $[\alpha]_D^{25} +20.3$ (c, 0.4 in MeOH)

Other Data: Dec. >200°

>>Derivative: 3-*O*- β -D-Glucuronopyranoside, 28-*O*- β -D-glucopyranosyl ester

Synonym(s): Chikusetsusaponin IVa. Calendulose F. Momordin IIb. Silphioside G

CAS Registry Number: 51415-02-2

Molecular Formula: C₄₂H₆₆O₁₄

Molecular Weight: 794.975

Accurate Mass: 794.44526

Percentage Composition: C 63.46%; H 8.37%; O 28.18%

Biological Source: Constit. of *Panax japonicum*, *Swartzia simplex* and other plants

Physical Description: Cryst. (butanol aq./EtOAc)

Melting Point: Mp 215-228 dec.° (221°)

Optical Rotation: $[\alpha]_D^{17} +21.07$ (c, 0.85 in MeOH)

>>Derivative: 3-*O*- β -D-Glucuronopyranoside, 28-*O*- β -D-glucopyranosyl ester, 6'-Me ester

CAS Registry Number: 58546-61-5