>>**Entry Name: Hederagenin bisdesmosides**

>>**Variant: Diglycosides**

>>**Derivative:** 3-*O*-α-L-Arabinopyranoside, 28-*O*-β-D-glucopyranosyl ester
Synonym(s): HN saponin F

CAS Registry Number: 39524-13-5

Molecular Formula: $C_{41}H_{66}O_{13}$
Molecular Weight: 766.965
Accurate Mass: 766.450345
Percentage Composition: C 64.21%; H 8.67%; O 27.12%
Biological Source: Isol. from *Hedera nepalensis*
Physical Description: Needles (MeOH aq.)
Melting Point: Mp 202-205 dec.°
Optical Rotation: $[\alpha]_D$ +36 (c, 0.5 in MeOH)

>>**Derivative:** 3-*O*-β-D-Glucopyranoside, 28-*O*-α-L-arabinopyranosyl ester
Synonym(s): Sibiroside A

CAS Registry Number: 29774-57-0

Molecular Formula: $C_{41}H_{66}O_{13}$
Molecular Weight: 766.965
Accurate Mass: 766.450345
Percentage Composition: C 64.21%; H 8.67%; O 27.12%
Biological Source: Constit. of *Patrinia sibirica*

>>**Variant: Triglycosides**

>>**Derivative:** 3-*O*-α-L-Arabinopyranoside, 28-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester
Synonym(s): Akebiasaponin D

CAS Registry Number: 39524-08-8

Molecular Formula: $C_{47}H_{76}O_{18}$
Molecular Weight: 929.107
Accurate Mass: 928.50317
Percentage Composition: C 60.76%; H 8.24%; O 31.00%
Biological Source: Present in *Akebia quinata, Lonicera nigra, Patrinia* and *Phytolacca* spp.
Physical Description: Powder (MeOH/EtOAc)
Melting Point: Mp 218-220 (207-210°) dec.°
Optical Rotation: $[\alpha]_D^{18}$+15.3 (c, 2 in MeOH)

>>**Derivative:** 3-*O*-(2-*O*-Acetyl-α-L-arabinopyranoside), 28-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester

CAS Registry Number: 103976-31-4

Molecular Formula: $C_{49}H_{78}O_{19}$
Molecular Weight: 971.144
Accurate Mass: 970.513735
Percentage Composition: C 60.60%; H 8.10%; O 31.30%
Biological Source: Isol. from *Pulsatilla scabiosaefolia*
Physical Description: Plates (MeOH)
Melting Point: Mp 224-226°
Optical Rotation: $[\alpha]_D^{25}$+17.2 (c, 0.5 in MeOH)