



Physical Description: Amorph. powder
Melting Point: Mp 208-210° (dec.)
Optical Rotation: $[\alpha]_D^{20} -31.1$ (c, 0.1 in MeOH)

>>**Derivative:** 3-*O*-[α -L-Arabinofuranosyl-(1→4)- β -D-glucuronopyranoside], 28-*O*- β -D-glucopyranosyl ester
Synonym(s): Araloside A, Oleanoside E

CAS Registry Number: 7518-22-1

Molecular Formula: C₄₇H₇₄O₁₈
Molecular Weight: 927.091
Accurate Mass: 926.48752
Percentage Composition: C 60.89%; H 8.05%; O 31.06%
Biological Source: From *Aralia elata* and *Aralia mandshurica*
Physical Description: Amorph.

>>**Derivative:** 3-*O*-[α -L-Arabinofuranosyl-(1→4)-6-*O*-methyl- β -D-glucuronopyranoside], 28-*O*- β -D-glucopyranosyl ester

CAS Registry Number: 25694-41-1

Molecular Formula: C₄₈H₇₆O₁₈
Molecular Weight: 941.118
Accurate Mass: 940.50317
Percentage Composition: C 61.26%; H 8.14%; O 30.60%
Biological Source: Constit. of *Aralia armata*

>>**Derivative:** 3-*O*-[α -L-Arabinopyranosyl-(1→2)- β -D-galactopyranoside], 28-*O*- β -D-glucopyranosyl ester
Synonym(s): Saponin E7

CAS Registry Number: 171260-49-4

Molecular Formula: C₄₇H₇₆O₁₇
Molecular Weight: 913.107
Accurate Mass: 912.508255
Percentage Composition: C 61.82%; H 8.39%; O 29.79%
Biological Source: Constit. of *Ilex dumosa*
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_D^{20} +51.6$ (c, 0.25 in Py)

>>**Derivative:** 3-*O*-[α -L-Arabinopyranosyl-(1→3)- β -D-glucuronopyranoside], 28-*O*- β -D-glucopyranosyl ester
Synonym(s): Hemsloside Ma 1, Momordin II

CAS Registry Number: 95851-41-5

Molecular Formula: C₄₇H₇₄O₁₈
Molecular Weight: 927.091
Accurate Mass: 926.48752
Percentage Composition: C 60.89%; H 8.05%; O 31.06%
Biological Source: Constit. of *Hemsleya graciliflora* and *Momordica cochinchinensis*
Physical Description: Powder
Optical Rotation: $[\alpha]_D^{24} +16.3$ (c, 0.93 in MeOH)

>>**Derivative:** 3-*O*-[α -L-Arabinopyranosyl-(1→3)-6-*O*-methyl- β -D-glucuronopyranoside], 28-*O*- β -D-glucopyranosyl ester
Synonym(s): Momordin IIa

CAS Registry Number: 95851-50-6

Molecular Formula: C₄₈H₇₆O₁₈
Molecular Weight: 941.118
Accurate Mass: 940.50317
Percentage Composition: C 61.26%; H 8.14%; O 30.60%
Biological Source: Constit. of *Momordica cochinchinensis*
Physical Description: Needles (MeOH)
Melting Point: Mp 247-249°
Optical Rotation: $[\alpha]_D^{21} +14.1$ (c, 1.24 in MeOH)