Molecular Formula: $C_{48}H_{78}O_{18}$
Molecular Weight: 943.133
Accurate Mass: 942.51882
Percentage Composition: C 61.13%; H 8.34%; O 30.54%
Biological Source: Constit. of *Hovenia dulcis*
Physical Description: Needles (MeOH)
Melting Point: Mp 215-217°
Optical Rotation: $[\alpha]_D^{22}$ –31.4 (c, 4.3 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→3)-[β-D-glucopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Hoduloside IV

CAS Registry Number: 146445-91-2

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: Constit. of *Hovenia dulcis*
Physical Description: Needles (MeOH)
Melting Point: Mp 246-248°
Optical Rotation: $[\alpha]_D^{22}$ –12.9 (c, 3.5 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Arabinopyranosyl-(1→3)-β-D-glucopyranosyl-(1→3)-[α-L-fucopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Christinin D

CAS Registry Number: 177855-95-7

Molecular Formula: $C_{52}H_{84}O_{21}$
Molecular Weight: 1045.223
Accurate Mass: 1044.550515
Percentage Composition: C 59.75%; H 8.10%; O 32.15%
Biological Source: Constit. of *Zizyphus spina-christi*

>>**Derivative:** 3-*O*-[β-D-Xylopyranosyl-(1→2)-β-D-glucopyranosyl-(1→3)-[β-D-xylopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Hovenoside G

CAS Registry Number: 55466-01-8

Molecular Formula: $C_{51}H_{82}O_{21}$
Molecular Weight: 1031.196
Accurate Mass: 1030.534865
Percentage Composition: C 59.40%; H 8.01%; O 32.58%
Biological Source: Constit. of *Hovenia dulcis*
Physical Description: Cryst.
Optical Rotation: $[\alpha]_D$ –26.4 (c, 1 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Xylopyranosyl-(1→2)-β-D-glucopyranosyl-(1→3)-[6-deoxy-α-L-talopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Zizyphussaponin III

CAS Registry Number: 77943-54-5

Molecular Formula: $C_{52}H_{84}O_{21}$
Molecular Weight: 1045.223
Accurate Mass: 1044.550515
Percentage Composition: C 59.75%; H 8.10%; O 32.15%
Biological Source: Constit. of *Zizyphus fractus*
Physical Description: Cryst.
Melting Point: Mp 229-233°
Optical Rotation: $[\alpha]_D^{28}$ –46.5 (c, 0.98 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Xylopyranosyl-(1→2)-β-D-glucopyranosyl-(1→3)-[α-L-rhamnopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Jujuboside B

CAS Registry Number: 55466-05-2