



Molecular Formula: C₄₈H₇₈O₁₈
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: [α]_D²² -31.4 (c, 4.3 in MeOH)

>> **Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 2)]- α -L-arabinopyranoside]

Synonym(s): Hoduloside IV

CAS Registry Number: 146445-91-2

Molecular Formula: C₄₇H₇₆O₁₈
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: [α]_D²² -12.9 (c, 3.5 in MeOH)

>> **Derivative:** 3-*O*-[β -D-Arabinopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 3)]- α -L-fucopyranosyl-(1 $\rightarrow$ 2)]- α -L-arabinopyranoside]

Synonym(s): Christinin D

CAS Registry Number: 177855-95-7

Molecular Formula: C₅₂H₈₄O₂₁
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 $\rightarrow$ 2)]- β -D-glucopyranosyl-(1 $\rightarrow$ 3)]- β -D-xylopyranosyl-(1 $\rightarrow$ 2)]- α -L-arabinopyranoside]

Synonym(s): Hovenoside G

CAS Registry Number: 55466-01-8

Molecular Formula: C₅₁H₈₂O₂₁
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: [α]_D -26.4 (c, 1 in MeOH)

>> **Derivative:** 3-*O*-[β -D-Xylopyranosyl-(1 $\rightarrow$ 2)]- β -D-glucopyranosyl-(1 $\rightarrow$ 3)]-[6-deoxy- α -L-talopyranosyl-(1 $\rightarrow$ 2)]- α -L-arabinopyranoside]

Synonym(s): Zizyphussaponin III

CAS Registry Number: 77943-54-5

Molecular Formula: C₅₂H₈₄O₂₁
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: [α]_D²⁸ -46.5 (c, 0.98 in MeOH)

>> **Derivative:** 3-*O*-[β -D-Xylopyranosyl-(1 $\rightarrow$ 2)]- β -D-glucopyranosyl-(1 $\rightarrow$ 3)]- α -L-rhamnopyranosyl-(1 $\rightarrow$ 2)]- α -L-arabinopyranoside]

Synonym(s): Jujuboside B

CAS Registry Number: 55466-05-2