



Melting Point: Mp 211-216°
Optical Rotation: $[\alpha]_{\text{D}}^{24} -50.1$ (c, 0.43 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-[β-D-xylopyranosyl-(1→2)]-β-D-glucopyranosyl-(1→3)-[β-D-xylopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Hovenoside D

CAS Registry Number: 68144-22-9

Molecular Formula: C₅₇H₉₂O₂₆
Molecular Weight: 1193.338
Accurate Mass: 1192.58769
Percentage Composition: C 57.37%; H 7.77%; O 34.86%
Biological Source: Constit. of *Hovenia dulcis*
Physical Description: Powder (butanol)
Melting Point: Mp 205-210°
Optical Rotation: $[\alpha]_{\text{D}} -29.6$ (c, 0.5 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-[β-D-xylopyranosyl-(1→2)]-β-D-glucopyranosyl-(1→3)-[α-D-fucopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Jujuboside A₁

CAS Registry Number: 194851-84-8

Molecular Formula: C₅₈H₉₄O₂₆
Molecular Weight: 1207.365
Accurate Mass: 1206.60334
Percentage Composition: C 57.70%; H 7.85%; O 34.45%
Biological Source: Constit. of *Zizyphus jujuba* var. *spinosa*
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 223-225°
Optical Rotation: $[\alpha]_{\text{D}}^{29} -47.6$ (c, 0.3 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-[β-D-glucopyranosyl-(1→2)]-β-D-glucopyranosyl-(1→3)-[α-L-rhamnopyranosyl-(1→2)]-α-L-arabinopyranoside]
Synonym(s): Jujuboside C‡

CAS Registry Number: 194852-14-7

Molecular Formula: C₅₉H₉₆O₂₇
Molecular Weight: 1237.391
Accurate Mass: 1236.613905
Percentage Composition: C 57.27%; H 7.82%; O 34.91%
Biological Source: Constit. *Zizyphus jujuba* var. *spinosa*
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 229-231°
Optical Rotation: $[\alpha]_{\text{D}}^{29} -32.8$ (c, 0.3 in MeOH)

References: