



Percentage Composition: C 59.75%; H 8.10%; O 32.15%

Biological Source: Constit. of *Zizyphus jujuba*

Physical Description: Cryst.

Melting Point: Mp 222-225°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -42$ (c, 0.5 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Xylopyranosyl-(1→2)-[6-*O*-acetyl-β-D-glucopyranosyl-(1→3)]-α-L-rhamnopyranosyl-(1→2)]-α-L-arabinopyranoside]

Synonym(s): Acetyljujuboside B

CAS Registry Number: 194737-13-8

Molecular Formula: C₅₄H₈₆O₂₂

Molecular Weight: 1087.26

Accurate Mass: 1086.56108

Percentage Composition: C 59.65%; H 7.97%; O 32.37%

Biological Source: Constit. of *Zizyphus jujuba* var. *spinosa*

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 207-210°

Optical Rotation: $[\alpha]_{\text{D}}^{28} -42.8$ (c, 0.3 in MeOH)

>>**Derivative:** 3-*O*-[6-Deoxy-β-D-galactopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→2)-β-D-glucopyranosyl-(1→3)]-α-L-arabinopyranoside]

Synonym(s): Jujuboside B₁

CAS Registry Number: 68144-21-8

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 jujuba*

Melting Point: Mp 223-226°

Optical Rotation: $[\alpha]_{\text{D}} -50.6$

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-[β-D-galactopyranosyl-(1→2)-β-D-glucopyranosyl-(1→3)]-α-L-arabinopyranoside]

Synonym(s): Hovacerboside A₁

CAS Registry Number: 184955-70-2

Molecular Formula: C₅₃H₈₆O₂₂

Molecular Weight: 1075.249

Accurate Mass: 1074.56108

Percentage Composition: C 59.20%; H 8.06%; O 32.74%

Biological Source: Constit. of *Hovenia acerba*

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 257-260 dec.°

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

Synonym(s): Jujuboside C_‡

CAS Registry Number: 189136-85-4

Molecular Formula: C₅₃H₈₆O₂₂

Molecular Weight: 1075.249

Accurate Mass: 1074.56108

Percentage Composition: C 59.20%; H 8.06%; O 32.74%

Biological Source: Constit. of *Zizyphus lotus*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_{\text{D}}^{20} -48$ (c, 0.66 in MeOH)

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

Synonym(s): Jujuboside A

CAS Registry Number: 55466-04-1