



Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Genuine sapogenin from *Bupleurum falcatum* root

Physical Description: Cryst. + $\frac{1}{2}$ CHCl₃ (CHCl₃)

Optical Rotation: $[\alpha]_D +107.8$

>>Derivative: 3-*O*-β-D-Glucopyranoside

Synonym(s): Clinoposaponin IX

CAS Registry Number: 159121-99-0

Molecular Formula: C₃₆H₅₈O₉

Molecular Weight: 634.849

Accurate Mass: 634.408085

Percentage Composition: C 68.11%; H 9.21%; O 22.68%

Biological Source: Constit. of *Clinopodium chinense* var. *parviflorum*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{23} +64$ (c, 0.17 in MeOH)

>>Derivative: 3-*O*-β-D-Galactopyranoside

Synonym(s): Corchorusin B

CAS Registry Number: 108894-47-9

Molecular Formula: C₃₆H₅₈O₉

Molecular Weight: 634.849

Accurate Mass: 634.408085

Percentage Composition: C 68.11%; H 9.21%; O 22.68%

Biological Source: Constit. of *Corchorus acutangulus*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 278-280°

Optical Rotation: $[\alpha]_D +74.3$ (c, 0.6 in MeOH)

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-fucopyranoside]

Synonym(s): Clinoposaponin XV

Molecular Formula: C₄₂H₆₈O₁₃

Molecular Weight: 780.991

Accurate Mass: 780.465995

Percentage Composition: C 64.59%; H 8.78%; O 26.63%

Biological Source: Constit. of *Clinopodium* spp.

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{23} +47.7$ (c, 0.32 in MeOH)

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→3)-β-D-fucopyranoside]

Synonym(s): Saikosaponin A

CAS Registry Number: 20736-09-8

Molecular Formula: C₄₂H₆₈O₁₃

Molecular Weight: 780.991

Accurate Mass: 780.465995

Percentage Composition: C 64.59%; H 8.78%; O 26.63%

Biological Source: Constit. of *Bupleurum falcatum*

Physical Description: Cryst.

Melting Point: Mp 225-232°

Optical Rotation: $[\alpha]_D +46$ (EtOH)