



Biological Source: Sapogenin obtained from Saikosides Ia and Ib from *Bupleurum falcatum* root and from *Polycarpone loeflingiae* and *Verbascum thapsus*
Use/Importance: Shows antiinflammatory props.
Physical Description: Cryst. (MeOH)
Melting Point: Mp 287-290°
Optical Rotation: $[\alpha]_D -43.3$ (c, 0.6 in MeOH)
Calculated Log P Data: Log P 4.18 (calc)
Other Data: Artifact

>>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→4)-[β-D-glucopyranosyl-(1→6)]-β-D-glucopyranoside]
Synonym(s): Clinopodiside A

CAS Registry Number: 142809-89-0

Molecular Formula: C₄₈H₇₈O₁₉
Molecular Weight: 959.133
Accurate Mass: 958.513735
Percentage Composition: C 60.11%; H 8.20%; O 31.69%
Biological Source: Constit. of *Clinopodium chinense*

>>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→4)-β-D-glucopyranosyl-(1→3)-[β-D-glucopyranosyl-(1→2)]-β-D-fucopyranoside]
Synonym(s): Songarosaponin F

CAS Registry Number: 161842-83-7

Molecular Formula: C₅₄H₈₈O₂₃
Molecular Weight: 1105.275
Accurate Mass: 1104.571645
Percentage Composition: C 58.68%; H 8.02%; O 33.29%
Biological Source: Constit. of *Verbascum songaricum*
Optical Rotation: $[\alpha]_D^{24} +26$ (c, 0.04 in Py)

>>>**Derivative:** 3-*O*-[β-D-Xylopyranosyl-(1→2)-β-D-glucopyranosyl-(1→3)-β-D-fucopyranoside]
Synonym(s): Saikosaponin K‡

CAS Registry Number: 150626-54-3

Molecular Formula: C₄₇H₇₆O₁₇
Molecular Weight: 913.107
Accurate Mass: 912.508255
Percentage Composition: C 61.82%; H 8.39%; O 29.79%
Biological Source: Constit. of *Bupleurum smithii*

>>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranosyl-(1→6)-[β-D-glucopyranosyl-(1→2)]-β-D-glucopyranoside]
Synonym(s): Saikosaponin O. Saikosaponin Q‡

CAS Registry Number: 179981-97-6

Molecular Formula: C₅₄H₈₈O₂₄
Molecular Weight: 1121.275
Accurate Mass: 1120.56656
Percentage Composition: C 57.84%; H 7.91%; O 34.25%
Biological Source: Constit. of *Bupleurum smithii* var. *parvifolium* and *Bupleurum subovatum*
Physical Description: Amorph. powder
Melting Point: Mp 223-225°
UV: [neutral] $\lambda_{\max}$ 242 (); 250 (); 260 () (MeOH)

>>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-[β-D-glucopyranosyl-(1→2)]-β-D-glucopyranoside]
Synonym(s): Saikosaponin P

CAS Registry Number: 191669-76-8