



CAS Registry Number: 35790-95-5

Molecular Formula: C₄₁H₆₆O₁₁

Molecular Weight: 734.966

Accurate Mass: 734.460515

Percentage Composition: C 67.00%; H 9.05%; O 23.95%

Biological Source: Constit. of *Hedera helix*, *Fatsia japonica*, *Astrantia major*, *Akebia quinata* and others

Physical Description: Needles

Melting Point: Mp 222-225° (dec.)

Optical Rotation: [α]_D +11 (c, 0.5 in MeOH)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→4)- α -L-arabinopyranoside]

Synonym(s): Mubenin B. Eleutheroside I. Raddeanin B

CAS Registry Number: 35790-94-4

Molecular Formula: C₄₁H₆₆O₁₁

Molecular Weight: 734.966

Accurate Mass: 734.460515

Percentage Composition: C 67.00%; H 9.05%; O 23.95%

Physical Description: Cryst.

Melting Point: Mp 234-235°

Optical Rotation: [α]_D³⁰ +9.6 (c, 1.15 in MeOH)

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

Synonym(s): Giganteaside D

CAS Registry Number: 75026-25-4

Molecular Formula: C₄₁H₆₆O₁₁

Molecular Weight: 734.966

Accurate Mass: 734.460515

Percentage Composition: C 67.00%; H 9.05%; O 23.95%

Biological Source: Constit. of *Cephalaria gigantea*

Physical Description: Cryst.

Melting Point: Mp 248-252°

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→3)- β -D-xylopyranoside]

Synonym(s): Songoroside C

CAS Registry Number: 61286-95-1

Molecular Formula: C₄₁H₆₆O₁₁

Molecular Weight: 734.966

Accurate Mass: 734.460515

Percentage Composition: C 67.00%; H 9.05%; O 23.95%

Biological Source: Isol. from *Scabiosa songorica*

Physical Description: Cryst.

Melting Point: Mp 218-220°

Optical Rotation: [α]_D²⁰ +9 (c, 1.4 in MeOH)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→3)- β -D-glucuronopyranoside]

Synonym(s): Putranoside A

CAS Registry Number: 51161-56-9

Molecular Formula: C₄₂H₆₆O₁₃

Molecular Weight: 778.976

Accurate Mass: 778.450345

Percentage Composition: C 64.76%; H 8.54%; O 26.70%

Biological Source: Isol. from *Swartzia simplex* and *Putranjiva roxburghii*

Melting Point: Mp 260-275 dec.°

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→3)-6-*O*-methyl- β -D-glucuronopyranoside]

CAS Registry Number: 178631-23-7