



Molecular Weight: 913.107
Accurate Mass: 912.508255
Percentage Composition: C 61.82%; H 8.39%; O 29.79%
Biological Source: Isol. from roots of *Astragalus membranaceus*, *Wisteria brachybotrys*, and *Crotalaria thebaica*
Physical Description: Cryst. + 1H₂O (MeOH)
Melting Point: Mp 223-224°
Optical Rotation: $[\alpha]_D^{18} -12.1$ (c, 1.0 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-galactopyranosyl-(1→2)-β-D-glucuronopyranoside]
Synonym(s): Soyasaponin V

CAS Registry Number: 114590-20-4

Molecular Formula: C₄₈H₇₈O₁₉
Molecular Weight: 959.133
Accurate Mass: 958.513735
Percentage Composition: C 60.11%; H 8.20%; O 31.69%

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranosyl-(1→2)-β-D-glucuronopyranoside]
Synonym(s): Azukisaponin V, Hispidacin

CAS Registry Number: 82793-05-3

Molecular Formula: C₄₈H₇₈O₁₈
Molecular Weight: 943.133
Accurate Mass: 942.51882
Percentage Composition: C 61.13%; H 8.34%; O 30.54%

Physical Description: Cryst. + 2H₂O (MeOH)
Melting Point: Mp 245-297° (228-229°)
Optical Rotation: $[\alpha]_D -22.5$ (c, 0.42 in MeOH). $[\alpha]_D^{28} +0.4$ (c, 1.1 in MeOH)
Other Data: High opt. rotn. value refers to Hispidacin

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-α-L-arabinopyranosyl-(1→4)-β-D-glucuronopyranoside]

CAS Registry Number: 109241-71-6

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 *Oxytropis ochrocephala*

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranosyl-(1→4)-β-D-glucuronopyranoside]

CAS Registry Number: 109237-37-8

Molecular Formula: C₄₈H₇₈O₁₈
Molecular Weight: 943.133
Accurate Mass: 942.51882
Percentage Composition: C 61.13%; H 8.34%; O 30.54%
Biological Source: Constit. of *Oxytropis glabra* and *Oxytropis ochrocephala*

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranosyl-(1→4)[β-D-glucopyranosyl-(1→2)]-β-D-glucuronopyranoside]

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 *Oxytropis glabra*
Physical Description: Powder
Melting Point: Mp 235-238°
Optical Rotation: $[\alpha]_D^{25} +3.1$ (c, 0.35 in Py)

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-galactopyranosyl-(1→2)-β-D-glucuronopyranoside], 22-*O*-[β-D-glucopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Bersimside I