Biological Source: Isol. from *Epimedium* spp.
Biological Use/Importance: Immunostimulant, neuronal injury inhibitor, antineoplastic agent, calcium regulator
Physical Description: Yellow needles (Py aq.)
Melting Point: Mp 231-235° (226-229°)
Optical Rotation: $[\alpha]_D^{15}$ –87.1 (Py)

>>**Derivative:** 4'-Me ether, 3-*O*-[β-D-glucopyranosyl-(1→2)-3-*O*-acetyl-α-L-rhamnopyranoside]
Synonym(s): Sagittatoside C

CAS Registry Number: 118525-37-4

Molecular Formula: $C_{35}H_{42}O_{16}$
Molecular Weight: 718.707
Accurate Mass: 718.24729
Percentage Composition: C 58.49%; H 5.89%; O 35.62%
Biological Source: Isol. from *Epimedium sagittatum*
Physical Description: Yellow powder
Melting Point: Mp 143-144°

>>**Derivative:** 4'-Me ether, 3-*O*-[β-D-xylopyranosyl-(1→2)-α-L-rhamnopyranoside], 7-*O*-β-D-glucopyranoside
Synonym(s): Epimedin B

CAS Registry Number: 110623-73-9

Molecular Formula: $C_{38}H_{48}O_{19}$
Molecular Weight: 808.786
Accurate Mass: 808.278985
Percentage Composition: C 56.43%; H 5.98%; O 37.59%
Biological Source: Isol. from *Epimedium* spp. and *Vancouveria hexandra*

>>**Derivative:** 4'-Me ether, 3-*O*-[β-D-glucopyranosyl-(1→3)-4-*O*-acetyl-α-L-rhamnopyranoside]
Synonym(s): Epimedokoreanoside II

CAS Registry Number: 130756-12-6

Molecular Formula: $C_{35}H_{42}O_{16}$
Molecular Weight: 718.707
Accurate Mass: 718.24729
Percentage Composition: C 58.49%; H 5.89%; O 35.62%
Biological Source: Isol. from *Epimedium koreanum*
Melting Point: Mp 181°
Optical Rotation: $[\alpha]_D^{20}$ –44.5 (c, 0.1 in MeOH)

>>**Derivative:** 4'-Me ether, 3-*O*-[6-*O*-acetyl-β-D-glucopyranosyl-(1→3)-4-*O*-acetyl-α-L-rhamnopyranoside]
Synonym(s): Epimedoside. Korepimedoside A

CAS Registry Number: 106441-31-0

Molecular Formula: $C_{37}H_{44}O_{17}$
Molecular Weight: 760.744
Accurate Mass: 760.257855
Percentage Composition: C 58.42%; H 5.83%; O 35.75%
Biological Source: Constit. of *Epimedium koreanum*
Physical Description: Amorph. yellow powder
Melting Point: Mp 170-171°

>>**Derivative:** 4'-Me ether, 3-*O*-[β-D-galactopyranosyl-(1→3)-α-L-rhamnopyranoside], 7-*O*-β-D-glucopyranoside
Synonym(s): Hexandraside A

CAS Registry Number: 128988-53-4

Molecular Formula: $C_{39}H_{50}O_{20}$
Molecular Weight: 838.812
Accurate Mass: 838.28955
Percentage Composition: C 55.84%; H 6.01%; O 38.15%
Biological Source: Isol. from *Vancouveria hexandra*
Physical Description: Yellow powder (MeOH)