



Molecular Formula: C₂₇H₃₀O₁₁
Molecular Weight: 530.527
Accurate Mass: 530.178815
Percentage Composition: C 61.13%; H 5.70%; O 33.17%
Biological Source: Isol. from *Epimedium* spp.

>>**Derivative:** 4'-Me ether, 7-*O*-β-D-glucopyranoside
Synonym(s): Icariside I

CAS Registry Number: 56725-99-6

Molecular Formula: C₂₇H₃₀O₁₁
Molecular Weight: 530.527
Accurate Mass: 530.178815
Percentage Composition: C 61.13%; H 5.70%; O 33.17%
Biological Source: Isol. from *Epimedium grandiflorum* and *Epimedium macranthum*
Physical Description: Yellow needles (MeOH)
Melting Point: Mp 256° (248° dec.)
Optical Rotation: [α]_D¹⁵ -28.4 (Py)

>>**Derivative:** 4'-Me ether, 3-*O*-α-L-rhamnopyranoside
Synonym(s): Icariside II, Baohuoside I

CAS Registry Number: 113558-15-9

Molecular Formula: C₂₇H₃₀O₁₀
Molecular Weight: 514.528
Accurate Mass: 514.1839
Percentage Composition: C 63.03%; H 5.88%; O 31.10%
Biological Source: Isol. from *Epimedium* spp.
Physical Description: Yellow needles (Py aq.)
Melting Point: Mp 204-206°
Optical Rotation: [α]_D¹⁶ -121 (c, 0.09 in MeOH)

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

CAS Registry Number: 118525-36-3

Molecular Formula: C₃₂H₃₈O₁₄
Molecular Weight: 646.644
Accurate Mass: 646.22616
Percentage Composition: C 59.44%; H 5.92%; O 34.64%
Biological Source: Isol. from *Epimedium sagittatum*
Physical Description: Yellow powder
Melting Point: Mp 160°

>>**Derivative:** 4'-Me ether, 7-*O*-[β-D-glucopyranosyl-(1→4)-β-D-glucopyranoside]
Synonym(s): Icaritin 7-cellobioside, **Cuhuoside**

CAS Registry Number: 150903-46-1

Molecular Formula: C₃₃H₄₀O₁₆
Molecular Weight: 692.669
Accurate Mass: 692.23164
Percentage Composition: C 57.22%; H 5.82%; O 36.96%
Biological Source: Constit. of *Epimedium acuminatum*
Physical Description: Yellow solid
Melting Point: Mp 258-260°