



>>Derivative: 3-*O*-(4-Acetyl- α -L-rhamnopyranoside)

Synonym(s): Ikariside D

CAS Registry Number: 113558-12-6

Molecular Formula: C₂₈H₃₀O₁₁

Molecular Weight: 542.538

Accurate Mass: 542.178815

Percentage Composition: C 61.99%; H 5.57%; O 32.44%

Biological Source: Isol. from *Epimedium* spp.

Physical Description: Yellow powder

Optical Rotation: $[\alpha]_D^{22}$ -64 (c, 0.097 in MeOH)

>>Derivative: 4'-*O*- α -L-Rhamnopyranoside

Synonym(s): Epimedoside B. Epimediside B

CAS Registry Number: 55395-09-0

Molecular Formula: C₂₆H₂₈O₁₀

Molecular Weight: 500.501

Accurate Mass: 500.16825

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Isol. from *Epimedium grandiflorum*

>>Derivative: 3,7-Di-*O*- β -D-glucopyranoside

Synonym(s): Hexandraside E

CAS Registry Number: 139955-75-2

Molecular Formula: C₃₂H₃₈O₁₆

Molecular Weight: 678.643

Accurate Mass: 678.21599

Percentage Composition: C 56.64%; H 5.64%; O 37.72%

Biological Source: Constit. of *Vancouveria hexandra*

Physical Description: Pale yellow powder

>>Derivative: 3,7-Di-*O*- α -L-rhamnopyranoside

Synonym(s): Baohuoside IV

CAS Registry Number: 119708-37-1

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 davidii*

>>Derivative: 3-*O*- α -L-Rhamnopyranoside, 7-*O*- β -D-glucopyranoside

Synonym(s): Epimedoside A. Epimediside A. Des-*O*-methylicariin

CAS Registry Number: 39012-04-9

Molecular Formula: C₃₂H₃₈O₁₅

Molecular Weight: 662.643

Accurate Mass: 662.221075

Percentage Composition: C 58.00%; H 5.78%; O 36.22%

Biological Source: Isol. from *Epimedium grandiflorum*, *Epimedium macranthum* and *Epimedium koreanum*

Physical Description: Yellow prisms (MeOH)

Melting Point: Mp 233-235° (212-213°, 191-192°)

Optical Rotation: $[\alpha]_D^{22}$ -93 (Py)