



>>Derivative: *O*-[2*R*-Hydroxy-2-methyl-3*S*-(3-methyl-2-butenoyloxy)butanoyl]

Synonym(s): **Isopeulustrin**

Molecular Formula: C₂₄H₂₈O₈

Molecular Weight: 444.48

Accurate Mass: 444.17842

Percentage Composition: C 64.85%; H 6.35%; O 28.80%

Biological Source: Constit. of the fruits of *Peucedanum palustre*

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 137.5-138°

Optical Rotation: [α]_D²⁵ +273 (c, 0.4 in MeOH)

>>Derivative: *O*-(3-Methyl-2-butenoyl)

Synonym(s): **Libanorin**. *O*-Senecioidihydrooroselol

CAS Registry Number: 27303-26-0

Molecular Formula: C₁₉H₂₀O₅

Molecular Weight: 328.364

Accurate Mass: 328.131075

Percentage Composition: C 69.50%; H 6.14%; O 24.36%

Biological Source: Constit. of *Peucedanum oreoselinum*, *Ligusticum pyrenaicum* and *Libanotis schrenkiana*

Physical Description: Cryst. (petrol)

Melting Point: Mp 79°

Optical Rotation: [α]_D²⁴ +197 (c, 1.66 in CHCl₃)

>>Derivative: *O*-Angeloyl

Synonym(s): **Columbianadin**. Zosimin. **Columbianin** ‡

CAS Registry Number: 5058-13-9

Molecular Formula: C₁₉H₂₀O₅

Molecular Weight: 328.364

Accurate Mass: 328.131075

Percentage Composition: C 69.50%; H 6.14%; O 24.36%

Biological Source: Constit. of *Lomatium columbianum*, *Zosima absinthifolia* and *Peucedanum palustre*

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 119-120°

Optical Rotation: [α]_D¹⁶ +272 (CHCl₃)

Other Data: Formerly called Columbianin (use discontinued owing to duplication with Columbianin above)

>>Derivative: *O*- β -D-Glucopyranoside

Molecular Formula: C₂₀H₂₄O₉

Molecular Weight: 408.404

Accurate Mass: 408.142035

Percentage Composition: C 58.82%; H 5.92%; O 35.26%

Biological Source: Constit. of *Citrus flavedo* and *Lomatium dissectum*

Physical Description: Amorph.

Melting Point: Mp 114-118°

Optical Rotation: [α]_D +210 (c, 1.0 in H₂O)

>>Derivative: *O*-[Apiofuranosyl- β -D-glucopyranoside]

Molecular Formula: C₂₅H₃₂O₁₃

Molecular Weight: 540.52

Accurate Mass: 540.184295

Percentage Composition: C 55.55%; H 5.97%; O 38.48%

Biological Source: Constit. of *Lomatium dissectum*

Physical Description: Solid

Melting Point: Mp 112-114°

Optical Rotation: [α]_D +75 (c, 1.0 in H₂O)