



Accurate Mass: 328.131075
Percentage Composition: C 69.50%; H 6.14%; O 24.36%
Biological Source: Obt. from roots of *Lomatium nuttallii* and *Libanotis buchtormensis*
Physical Description: Amorph.
Melting Point: Mp 58-62°
Optical Rotation: $[\alpha]_D^{20} +75$ (c, 1 in CHCl₃)

>> **Derivative:** *O*-Angeloyl
Synonym(s): Selinidin. Jatamansin. Xanthogalin

CAS Registry Number: 19427-82-8

Molecular Formula: C₁₉H₂₀O₅
Molecular Weight: 328.364
Accurate Mass: 328.131075
Percentage Composition: C 69.50%; H 6.14%; O 24.36%
Biological Source: Isol. from *Selinum vaginatum*, *Ligusticum elatum*, *Lomatium columbianum*, *Nardostachys jatamansi* and *Xanthogalum purpurascens*
Physical Description: Cryst. (Et₂O/petrol)
Melting Point: Mp 100-102.5°
Optical Rotation: $[\alpha]_D^{29} +20.3$ (c, 1.474 in dioxan). $[\alpha]_D -24$ (CHCl₃). $[\alpha]_D^{16} -41.4$ (c, 1.6 in CHCl₃)
Other Data: Abs. config. probable but not certain. Considerable confusion as to stereochemical identity of samples reported because of lack of optical activity data and solvent dependence of opt. rotn.

>> **Derivative:** *O*-Hexanoyl

Molecular Formula: C₂₀H₂₄O₅
Molecular Weight: 344.407
Accurate Mass: 344.162375
Percentage Composition: C 69.75%; H 7.02%; O 23.23%
Biological Source: Isol. from roots and stems of *Seseli gummiferum*
Physical Description: Oil
Optical Rotation: $[\alpha]_D^{20} +30.1$ (c, 1.1 in CCl₄)

>> **Derivative:** *O*-Octanoyl

Molecular Formula: C₂₂H₂₈O₅
Molecular Weight: 372.46
Accurate Mass: 372.193675
Percentage Composition: C 70.95%; H 7.58%; O 21.48%
Biological Source: Isol. from roots and stems of *Seseli gummiferum*
Physical Description: Oil
Optical Rotation: $[\alpha]_D^{20} +32.5$ (c, 1 in CCl₄)

>> **Derivative:** *O*-(*Z*)-4-Octenoyl

Molecular Formula: C₂₂H₂₆O₅
Molecular Weight: 370.444
Accurate Mass: 370.178025
Percentage Composition: C 71.33%; H 7.07%; O 21.59%
Biological Source: Isol. from *Seseli gummiferum*
Physical Description: Oil
Optical Rotation: $[\alpha]_D^{20} +30.7$ (c, 1 in CCl₄)

>> **Derivative:** *O*-(*E*)-4-Hydroxycinnamoyl

Molecular Formula: C₂₃H₂₀O₆
Molecular Weight: 392.407
Accurate Mass: 392.12599
Percentage Composition: C 70.40%; H 5.14%; O 24.46%
Biological Source: Isol. from roots of *Lomatium columbianum*
Physical Description: Glass
Optical Rotation: $[\alpha]_D^{25} +370$ (c, 0.7 in CHCl₃)