



CAS Registry Number: 209863-01-4

Molecular Formula: C₁₉H₃₄O₁₀

Molecular Weight: 422.472

Accurate Mass: 422.2152

Percentage Composition: C 54.02%; H 8.11%; O 37.87%

Biological Source: Constit. of spearmint (*Mentha spicata* var. *crispa*)

Optical Rotation: $[\alpha]_{\text{D}}^{21} -60$ (c, 0.1 in MeOH)

>>**Derivative:** *O*-[β-D-Glucopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Calaliukiuenoside

CAS Registry Number: 209465-69-0

Molecular Formula: C₂₀H₃₆O₁₁

Molecular Weight: 452.498

Accurate Mass: 452.225765

Percentage Composition: C 53.09%; H 8.02%; O 38.89%

Biological Source: Constit. of *Calanthe discolor* and *Calanthe liukiensis*

Physical Description: Powder

Optical Rotation: $[\alpha]_{\text{D}}^{28} -45.4$ (MeOH)

UV: [neutral] λ_{max} (no solvent reported)

>>**Variant:** (S)-form

CAS Registry Number: 62247-46-5

Extra CAS Registry Numbers(s): 22658-80-6

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Optical Rotation: $[\alpha]_{\text{D}}^{17} +10.7$ (EtOH)

>>**Variant:** (±)-form

CAS Registry Number: 74072-82-5

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Use/Importance: Used in lavender and mushroom like perfume compositions

Physical Description: Liq. with intense earthy odour

Boiling Point: Bp 173.5°

Refractive Index: n_{D}^{20} 1.4378

>>**Derivative:** Hydrogen phthalate

Melting Point: Mp 79°

>>**Derivative:** Butanoyl

Synonym(s): 1-Ethenylhexyl butanoate. 1-Octen-3-yl butyrate. FEMA 2026

CAS Registry Number: 16491-54-6

Molecular Formula: C₁₂H₂₂O₂

Molecular Weight: 198.305

Accurate Mass: 198.16198

Percentage Composition: C 72.68%; H 11.18%; O 16.14%

Physical Description: Liq.

Boiling Point: Bp_{3.5} 80-81°

Refractive Index: n_{D}^{20} 1.4285

>>**Variant:** (ξ)-form

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%