



Rare Chemicals Library: S44003-5
Sigma: P6510

>>>**Derivative:** O^6 -Ac, O^{15} -(*R*)-2-methylbutanoyl, O^3 -(+)-2-hydroxy-2-methylbutanoyl
Synonym(s): Desacetylprotoveratrine A

CAS Registry Number: 67375-42-2

Molecular Formula: C₃₉H₆₁NO₁₃
Molecular Weight: 751.91
Accurate Mass: 751.414294
Percentage Composition: C 62.30%; H 8.18%; N 1.86%; O 27.66%
Biological Source: Alkaloid from *Veratrum album* (Liliaceae)
Melting Point: Mp 191-192°
Optical Rotation: [α]_D -15 (Py)

>>>**Derivative:** O^6 -Ac, O^{15} -(*R*)-2-methylbutanoyl, O^3 -(+)-*threo*-2,3-dihydroxy-2-methylbutanoyl
Synonym(s): Desacetylprotoveratrine B. Desacetylneoprotoveratrine

CAS Registry Number: 67370-03-0

Molecular Formula: C₃₉H₆₁NO₁₄
Molecular Weight: 767.909
Accurate Mass: 767.409209
Percentage Composition: C 61.00%; H 8.01%; N 1.82%; O 29.17%
Biological Source: Alkaloid from *Veratrum album* and *Veratrum viride* (Liliaceae)
Use/Importance: Weak antihypertensive agent
Melting Point: Mp 182-183°
Optical Rotation: [α]_D -9 (Py)

>>>**Derivative:** O^6, O^7 -Di-Ac, O^{15} -(*R*)-2-methylbutanoyl, O^3 -angeloyl
Synonym(s): Escholerine

CAS Registry Number: 663-93-4

Biological Source: Alkaloid from *Veratrum eschscholtzii* (Liliaceae)
Use/Importance: Antihypertensive agent
Melting Point: Mp 235°
Optical Rotation: [α]_D -30 (Py)

>>>**Derivative:** 3-[(2*S*,3*R*)-2,3-Dihydroxy-2-methylbutanoyl], O^6, O^7 -Di-Ac, O^{15} -(*R*)-2-methylbutanoyl
Synonym(s): Protoveratrine C

CAS Registry Number: 82535-71-5

Molecular Formula: C₄₁H₆₃NO₁₅
Molecular Weight: 809.946
Accurate Mass: 809.419774
Percentage Composition: C 60.80%; H 7.84%; N 1.73%; O 29.63%
Biological Source: Alkaloid from *Veratrum album* (Liliaceae)
Physical Description: Cryst. solid
Melting Point: Mp 258-260 dec.°
Optical Rotation: [α]_D²⁶ -6.6 (CHCl₃)

>>>**Derivative:** O^6, O^7 -Di-Ac, O^{15} -(2-Methylbutanoyl)
Synonym(s): Desatrine

CAS Registry Number: 6746-01-6

Source/Synthesis: Obt. semisynthetically by oxidn. of Protoveratrine B
Use/Importance: Patent claims use as insecticide, but doubtless an antihypertensive agent
Physical Description: Needles (Me₂CO/petrol)
Melting Point: Mp 232-233°