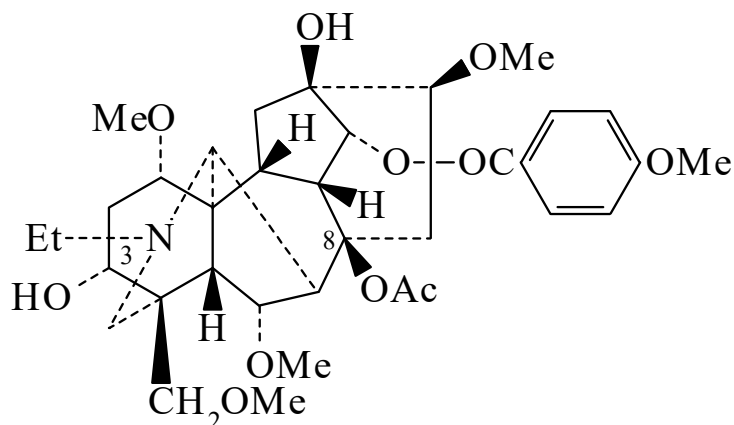




>>Entry Name: Yunaconitine

Synonym(s): Vilmorrianine B. Guayewuanine B. Isoaconitine. 8-Acetyl-14-anisoylpseudoaconine. 3 α ,13-Dihydroxyforesaconitine



CAS Registry Number: 70578-24-4

Molecular Formula: C₃₅H₄₉NO₁₁

Molecular Weight: 659.772

Accurate Mass: 659.330564

Percentage Composition: C 63.72%; H 7.49%; N 2.12%; O 26.67%

Biological Source: Alkaloid from *Aconitum delavayi*, *Aconitum vilmorrianum*, *Aconitum crassicaule*, *Aconitum forrestii*, *Aconitum hemsleyanum*, *Aconitum teipeicum*, *Aconitum pseudogeniculatum* and *Aconitum dolichorhynchum* var. *subglabratum* (Ranunculaceae)

Melting Point: Mp 141-144° (98-103°)

Optical Rotation: [α]_D²¹+20 (c, 0.9 in CHCl₃)

Other Data: Identity with 3,13-Dihydroxyforesaconitine appears probable despite its lower Mp

>>Derivative: O³-Ac

Synonym(s): 3-Acetylyunaconitine

CAS Registry Number: 80787-51-5

Molecular Formula: C₃₇H₅₁NO₁₂

Molecular Weight: 701.809

Accurate Mass: 701.341129

Percentage Composition: C 63.32%; H 7.32%; N 2.00%; O 27.36%

Biological Source: Alkaloid from *Aconitum* sp.

>>Derivative: O-De-Ac

Synonym(s): 8-Deacetylyunaconitine

CAS Registry Number: 93460-55-0

Molecular Formula: C₃₃H₄₇NO₁₀

Molecular Weight: 617.735

Accurate Mass: 617.319999

Percentage Composition: C 64.16%; H 7.67%; N 2.27%; O 25.90%

Biological Source: Alkaloid from the roots of *Aconitum austroyunnanense*, *Aconitum forrestii* and *Aconitum dolichorhynchum* var. *subglabratum* (Ranunculaceae)

Physical Description: Amorph. powder

Melting Point: Mp 101-105°

>>Derivative: O-De-Ac, O⁸-Me

Synonym(s): Crassicautine

CAS Registry Number: 109333-61-1

Molecular Formula: C₃₄H₄₉NO₁₀

Molecular Weight: 631.762

Accurate Mass: 631.335649

Percentage Composition: C 64.64%; H 7.82%; N 2.22%; O 25.33%

Biological Source: Alkaloid from the roots of *Aconitum crassicaule* (Ranunculaceae)

Physical Description: Amorph.

Optical Rotation: [α]_D²⁴+26.1 (c, 0.18 in CHCl₃)