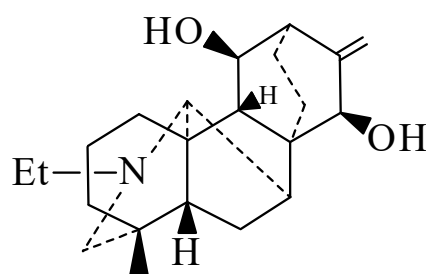




>>Entry Name: Denudatine

Synonym(s): 16,17-Didehydro-21-ethyl-4-methyl-7,20-cyclooctidane-11,15-diol, 9Cl



Absolute  
configuration

CAS Registry Number: 26166-37-0

Molecular Formula:  $C_{22}H_{33}NO_2$

Molecular Weight: 343.508

Accurate Mass: 343.251129

Percentage Composition: C 76.92%; H 9.68%; N 4.08%; O 9.32%

Biological Source: Alkaloid from the roots of *Delphinium denudatum*. Also isol. from *Aconitum jinyangense* (Ranunculaceae)

Melting Point: Mp 248-249°

Optical Rotation:  $[\alpha]_D^{21} +0.15$  (EtOH)

>>Derivative: Hydroiodide

Physical Description: Cryst. (60% EtOH)

Melting Point: Mp 267-268°

>>Derivative: Picrate

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 215°

>>Derivative:  $O^{15}$ -Ac

Synonym(s): Jynosine. 15-Acetyldenudatine

CAS Registry Number: 80665-71-0

Molecular Formula:  $C_{24}H_{35}NO_3$

Molecular Weight: 385.545

Accurate Mass: 385.261694

Percentage Composition: C 74.77%; H 9.15%; N 3.63%; O 12.45%

Biological Source: Alkaloid from *Aconitum jinyangense* (Ranunculaceae)

>>Derivative: Di-Ac

Molecular Formula:  $C_{26}H_{37}NO_4$

Molecular Weight: 427.583

Accurate Mass: 427.272259

Percentage Composition: C 73.04%; H 8.72%; N 3.28%; O 14.97%

Physical Description: Microcryst. powder (abs. EtOH)

Melting Point: Mp 128-130°

>>Derivative: 11-Deoxy

Synonym(s): Gymnandine

CAS Registry Number: 150036-84-3

Molecular Formula:  $C_{22}H_{33}NO$

Molecular Weight: 327.509

Accurate Mass: 327.256214

Percentage Composition: C 80.68%; H 10.16%; N 4.28%; O 4.89%

Biological Source: Alkaloid from aerial parts of *Aconitum gymnandrum* (Ranunculaceae)

References: