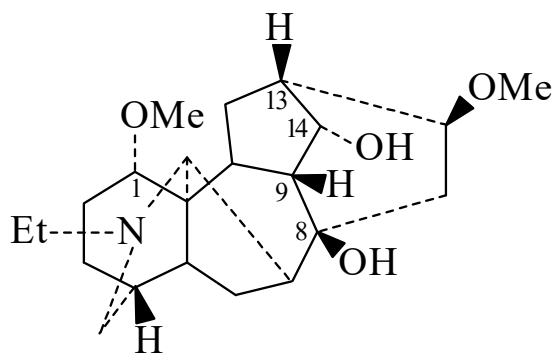




>>Entry Name: Aconosine



CAS Registry Number: 38839-95-1

Molecular Formula: $C_{22}H_{35}NO_4$

Molecular Weight: 377.523

Accurate Mass: 377.256609

Percentage Composition: C 69.99%; H 9.34%; N 3.71%; O 16.95%

Biological Source: Alkaloid from *Aconitum nasutum* (all parts of the plant), the aerial parts and roots of *Aconitum fischeri*, the foliage and roots of *Aconitum arcuatum*, and from the roots of *Aconitum forrestii*, *Aconitum napellus* and *Aconitum staphianum* var. *pubipes* (Ranunculaceae)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 150° (148°)

Optical Rotation: $[\alpha]_D -25$ (c, 0.57 in MeOH). $[\alpha]_D^{20} -21$ (c, 1 in MeOH)

>>Derivative: O^{14} -Ac

Synonym(s): Episcopalitine. Dolaconine

CAS Registry Number: 82841-75-6

Molecular Formula: $C_{24}H_{37}NO_5$

Molecular Weight: 419.56

Accurate Mass: 419.267174

Percentage Composition: C 68.71%; H 8.89%; N 3.34%; O 19.07%

Biological Source: Alkaloid from the roots of *Aconitum episcopale* and *Aconitum staphianum* var. *pubipes* (Ranunculaceae)

Melting Point: Mp 44-46°

>>Derivative: O^{14} -Benzoyl, 9-hydroxy

Synonym(s): Episcopalisine. 14-Benzoylepiscopalisinine

CAS Registry Number: 83685-22-7

Molecular Formula: $C_{29}H_{39}NO_6$

Molecular Weight: 497.63

Accurate Mass: 497.277739

Percentage Composition: C 70.00%; H 7.90%; N 2.81%; O 19.29%

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

>>Derivative: O^{14} -Benzoyl, 13-hydroxy

Synonym(s): Delavaconitine

CAS Registry Number: 1356-52-1

Molecular Formula: $C_{29}H_{39}NO_6$

Molecular Weight: 497.63

Accurate Mass: 497.277739

Percentage Composition: C 70.00%; H 7.90%; N 2.81%; O 19.29%

Biological Source: Alkaloid from the roots of the Chinese drug Tzu-Tsao-Wu (*Aconitum delavayi*)

Use/Importance: Anaesthetic

Calculated Log P Data: Log P 0.24 (uncertain value) (calc)

>>Derivative: O^{14} -Benzoyl, 13-hydroxy; nitrate

Melting Point: Mp 154°