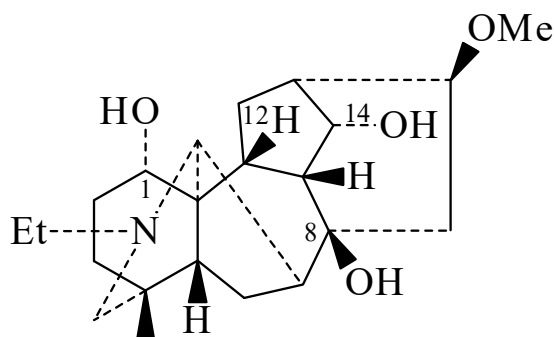




>>Entry Name: Karakoline

Synonym(s): Karacoline. Carmichaeline



CAS Registry Number: 39089-30-0

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 the tubers of *Aconitum carmichaeli*, the tubers and aerial parts of *Aconitum karakolicum*, and from *Delphinium pentagynum* (Ranunculaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 183-184°

Optical Rotation: $[\alpha]_D^{17} -10$ (c, 0.3 in MeOH)

>>Derivative: O^{14} -Ac

Synonym(s): 14-Acetylkarakoline

CAS Registry Number: 86538-27-4

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 aerial parts of *Delphinium confusum* (Ranunculaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 99-100°

>>Derivative: Tri-Ac

Molecular Formula: $C_{28}H_{41}NO_7$

Molecular Weight: 503.634

Accurate Mass: 503.288304

Percentage Composition: C 66.78%; H 8.21%; N 2.78%; O 22.24%

Melting Point: Mp 165-169°

>>Derivative: *N*-De-Et, O^{14} -Ac

Synonym(s): Hokbusine B

CAS Registry Number: 86500-46-1

Molecular Formula: $C_{22}H_{33}NO_5$

Molecular Weight: 391.506

Accurate Mass: 391.235874

Percentage Composition: C 67.49%; H 8.50%; N 3.58%; O 20.43%

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

Physical Description: Prisms (MeOH)

Melting Point: Mp 183-185°

>>Derivative: O^1 -Me

Synonym(s): Sachaconitine. Vilmorrianine D

CAS Registry Number: 1361-02-0