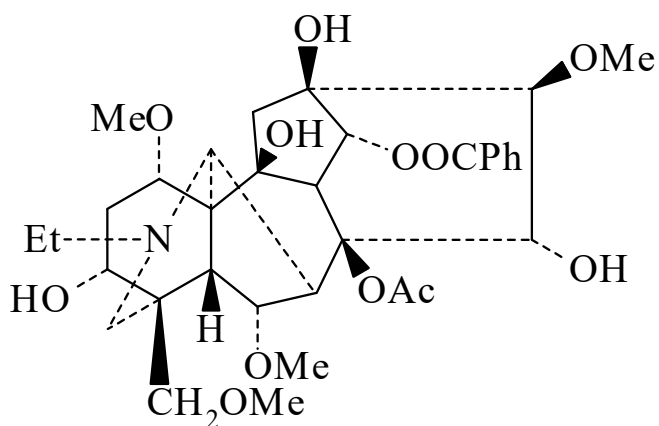




>>Entry Name: Aconifine

Synonym(s): Nagarine‡



CAS Registry Number: 41849-35-8

Molecular Formula: $C_{34}H_{47}NO_{12}$

Molecular Weight: 661.745

Accurate Mass: 661.309829

Percentage Composition: C 61.71%; H 7.16%; N 2.12%; O 29.01%

Biological Source: Alkaloid from tubers of *Aconitum karakolicum* and roots of *Aconitum nagarum* var. *lasiandrum* (Ranunculaceae)

Melting Point: Mp 198-200°

Optical Rotation: $[\alpha]_D^{19} +30.6$ (c, 1.10 in $CHCl_3$)

>>Derivative: Hydrobromide

Melting Point: Mp 209°

>>Derivative: Tetra-Ac

Melting Point: Mp 227°

>>Derivative: N-De-Et, N-Me

Synonym(s): Beiwutine

CAS Registry Number: 76918-93-9

Molecular Formula: $C_{33}H_{45}NO_{12}$

Molecular Weight: 647.718

Accurate Mass: 647.294179

Percentage Composition: C 61.19%; H 7.00%; N 2.16%; O 29.64%

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

Melting Point: Mp 196-198°

>>Derivative: N-De-Et, N-Me, O^3 -Ac

Synonym(s): 3-O-Acetylbeiwutine

CAS Registry Number: 147677-09-6

Molecular Formula: $C_{35}H_{47}NO_{13}$

Molecular Weight: 689.755

Accurate Mass: 689.304744

Percentage Composition: C 60.95%; H 6.87%; N 2.03%; O 30.15%

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

Physical Description: Cryst.

Melting Point: Mp 187°

Optical Rotation: $[\alpha]_D +25.8$ (c, 0.95 in EtOH)