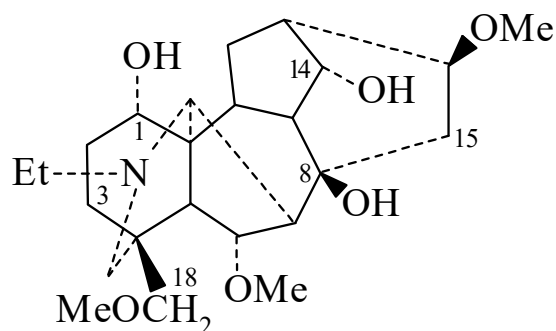




>>Entry Name: Neoline

Synonym(s): Bullatine B



CAS Registry Number: 466-26-2

Molecular Formula: $C_{24}H_{39}NO_6$

Molecular Weight: 437.575

Accurate Mass: 437.277739

Percentage Composition: C 65.88%; H 8.98%; N 3.20%; O 21.94%

Biological Source: Alkaloid from *Aconitum bullatifolium* var. *homotrichum*, *Aconitum napellus*, *Aconitum nazarum*, *Aconitum sczukini*, *Aconitum soongoricum*, *Aconitum sachalinense* var. *compactum*, *Aconitum carmichaeli*, *Aconitum karakolicum*, *Aconitum teipeicum*, and *Aconitum ibukiense* (Ranunculaceae)

Melting Point: Mp 159-161°

Optical Rotation: $[\alpha]_D^{26} +22$ (c, 4.3 in EtOH)

>>Derivative: Hydrochloride

Melting Point: Mp 211°

>>Derivative: Hydrobromide

Melting Point: Mp 216-217°

>>Derivative: Nitrate

Melting Point: Mp 201-202°

>>Derivative: Perchlorate

Melting Point: Mp 220-221°

>>Derivative: O^8 -Ac

Synonym(s): Delphidine. 8-Acetylneoline

CAS Registry Number: 60158-58-9

Molecular Formula: $C_{26}H_{41}NO_7$

Molecular Weight: 479.612

Accurate Mass: 479.288304

Percentage Composition: C 65.11%; H 8.62%; N 2.92%; O 23.35%

Melting Point: Mp 98-100° (slight softening at 90°)

Optical Rotation: $[\alpha]_D^{27} +16.6$ (c, 1.3 in EtOH)

>>Derivative: O^{14} -Ac

Synonym(s): Bullatine C. 14-Acetylneoline. Delstaphisagnine

CAS Registry Number: 1354-86-5

Molecular Formula: $C_{26}H_{41}NO_7$

Molecular Weight: 479.612

Accurate Mass: 479.288304

Percentage Composition: C 65.11%; H 8.62%; N 2.92%; O 23.35%

Biological Source: Alkaloid from *Aconitum bullatifolium* var. *homotrichum*, *Aconitum nazarum*, *Aconitum napellus*, *Aconitum jinyangense* and *Aconitum yesoense* (Ranunculaceae). Also descr. as Delstasphisagnine from *Delphinium staphisagria*

Physical Description: Needles (Me_2CO/Et_2O) or amorph. solid

Melting Point: Mp 200°