



>>Derivative: O^{14} -Ac; hydrochloride

Melting Point: Mp 222-224°

>>Derivative: O^{14} -Ac; hydrobromide

Melting Point: Mp 226°

>>Derivative: O^{14} -Ac; nitrate

Melting Point: Mp 197-198°

Optical Rotation: $[\alpha]_D^{17} -7$ (H₂O)

>>Derivative: O^8, O^{14} -Di-Ac

Synonym(s): Delphisine. 8,14-Diacetylneoline

CAS Registry Number: 1399-07-1

Molecular Formula: C₂₈H₄₃NO₈

Molecular Weight: 521.65

Accurate Mass: 521.298869

Percentage Composition: C 64.47%; H 8.31%; N 2.69%; O 24.54%

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 122-123°

Optical Rotation: $[\alpha]_D^{26} +7.1$ (c, 4.0 in EtOH)

>>Derivative: O^8, O^{14} -Di-Ac; hydrochloride

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 206-210 dec.°

>>Derivative: O^1, O^{14} -Di-Ac

Synonym(s): 1,14-Diacetylneoline

CAS Registry Number: 60158-60-3

Molecular Formula: C₂₈H₄₃NO₈

Molecular Weight: 521.65

Accurate Mass: 521.298869

Percentage Composition: C 64.47%; H 8.31%; N 2.69%; O 24.54%

Biological Source: Alkaloid from above-ground parts of *Aconitum napellus* ssp. *castellanum* (Ranunculaceae)

Physical Description: Resin

Optical Rotation: $[\alpha]_D +15$ (c, 0.68 in EtOH)

>>Derivative: Tri-Ac

Synonym(s): 1-Acetyldephisine

CAS Registry Number: 55085-41-1

Molecular Formula: C₃₀H₄₅NO₉

Molecular Weight: 563.687

Accurate Mass: 563.309434

Percentage Composition: C 63.92%; H 8.05%; N 2.48%; O 25.55%

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 151-153°

Optical Rotation: $[\alpha]_D^{25} -8.8$ (c, 0.63 in CHCl₃)

>>Derivative: O^{14} -Benzoyl

Synonym(s): 14-Benzoylneoline

CAS Registry Number: 99633-05-3