



Optical Rotation: $[\alpha]_{\text{D}}^{18} +9.1$ (c, 0.11 in MeOH)

>> **Derivative:** O^{18} -De-Me

Synonym(s): Neolinine

CAS Registry Number: 112515-37-4

Molecular Formula: $\text{C}_{23}\text{H}_{37}\text{NO}_6$

Molecular Weight: 423.548

Accurate Mass: 423.262089

Percentage Composition: C 65.22%; H 8.80%; N 3.31%; O 22.66%

Melting Point: Mp 226-228.5°

Optical Rotation: $[\alpha]_{\text{D}}^{26} +29.3$ (c, 0.19 in CHCl_3)

>> **Derivative:** O^8, O^{14} -Di-Ac, 1-ketone

Synonym(s): 1-Dehydrodelphisine. 1-Ketodelphisine

CAS Registry Number: 55085-42-2

Molecular Formula: $\text{C}_{28}\text{H}_{41}\text{NO}_8$

Molecular Weight: 519.634

Accurate Mass: 519.283219

Percentage Composition: C 64.72%; H 7.95%; N 2.70%; O 24.63%

Physical Description: Prisms ($\text{Me}_2\text{CO}/\text{Et}_2\text{O}$)

Melting Point: Mp 170-171° (168-170°)

>> **Derivative:** 1-Epimer

Synonym(s): Delphirine. 1-Epineoline

CAS Registry Number: 60208-28-8

Molecular Formula: $\text{C}_{24}\text{H}_{39}\text{NO}_6$

Molecular Weight: 437.575

Accurate Mass: 437.277739

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

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 95-100°

Optical Rotation: $[\alpha]_{\text{D}}^{26} +3.8$ (c, 1.0 in EtOH)

>> **Derivative:** O^{16} -De-Me, 8,14-di-Ac

Synonym(s): Delstaphisine

CAS Registry Number: 102686-13-5

Molecular Formula: $\text{C}_{27}\text{H}_{41}\text{NO}_8$

Molecular Weight: 507.623

Accurate Mass: 507.283219

Percentage Composition: C 63.89%; H 8.14%; N 2.76%; O 25.21%

Physical Description: Plates ($\text{Me}_2\text{CO}/\text{hexane}$)

Melting Point: Mp 182-184°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -11$ (c, 1.35 in EtOH)

>> **Derivative:** O^{18} -De-Me, 8,14-di-Ac

Synonym(s): Delstaphisagrine

CAS Registry Number: 102686-12-4

Molecular Formula: $\text{C}_{27}\text{H}_{41}\text{NO}_8$

Molecular Weight: 507.623

Accurate Mass: 507.283219

Percentage Composition: C 63.89%; H 8.14%; N 2.76%; O 25.21%

Physical Description: Amorph.

Optical Rotation: $[\alpha]_{\text{D}}^{23} +3.8$ (c, 0.6 in EtOH)