



Melting Point: Mp 174°

>>**Derivative:** *N*-Oxide

Physical Description: Hygroscopic solid

Optical Rotation: $[\alpha]_{\text{D}} +135$ (CHCl₃)

Solubility: V. sol. H₂O

>>**Derivative:** *O*⁸-De-Me

Synonym(s): Narcotoline

CAS Registry Number: 521-40-4

Molecular Formula: C₂₁H₂₁NO₇

Molecular Weight: 399.399

Accurate Mass: 399.131804

Percentage Composition: C 63.15%; H 5.30%; N 3.51%; O 28.04%

Biological Source: Alkaloid from *Papaver somniferum* and poppy straw (Papaveraceae)

Physical Description: Rods (MeOH aq.)

Melting Point: Mp 202° (189°)

Optical Rotation: $[\alpha]_{\text{D}} -189$ (CHCl₃)

>>**Derivative:** *O*⁸-De-Me, Ac

Melting Point: Mp 208-209°

>>**Variant:** (1*S*,9*R*)-form

Synonym(s): (+) α -Narcotine

CAS Registry Number: 35933-64-3

Molecular Formula: C₂₂H₂₃NO₇

Molecular Weight: 413.426

Accurate Mass: 413.147454

Percentage Composition: C 63.92%; H 5.61%; N 3.39%; O 27.09%

Source/Synthesis: Obt. by resoln. of synthetic ($\pm$)-narcotine

Physical Description: Cryst. (EtOH)

Optical Rotation: $[\alpha]_{\text{D}} +199.9$

>>**Derivative:** *N*-Me

Synonym(s): (+)-*N*-Methyl- α -narcotine

Molecular Formula: C₂₃H₂₆NO₇⁽⁺⁾

Molecular Weight: 428.461

Accurate Mass: 428.170929

Percentage Composition: C 64.48%; H 6.12%; N 3.27%; O 26.14%

Biological Source: Alkaloid from *Papaver cylindricum* (Papaveraceae)

>>**Derivative:** *N*-Me, iodide

CAS Registry Number: 51606-51-0

Molecular Formula: C₂₃H₂₆INO₇

Molecular Weight: 555.365

Accurate Mass: 555.075402

Percentage Composition: C 49.74%; H 4.72%; I 22.85%; N 2.52%; O 20.17%

Physical Description: Amorph.

Optical Rotation: $[\alpha]_{\text{D}} +42$ (c, 0.16 in MeOH)

>>**Variant:** (1*R**S*,9*R**S*)-form

Synonym(s): ($\pm$)- β -Narcotine. β -Gnoscopine