Melting Point: Mp 174°

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

Physical Description: Hygroscopic solid
Optical Rotation: $[\alpha]_D$ +135 ($CHCl_3$)
Solubility: V. sol. H_2O

>>**Derivative:** O^8-De-Me
Synonym(s): Narcotoline

CAS Registry Number: 521-40-4

Molecular Formula: $C_{21}H_{21}NO_7$
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: $[\alpha]_D$ –189 ($CHCl_3$)

>>**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: $C_{22}H_{23}NO_7$
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 (±)-narcotine
Physical Description: Cryst. (EtOH)
Optical Rotation: $[\alpha]_D$ +199.9

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

Molecular Formula: $C_{23}H_{26}NO_7^{(+)}$
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: $C_{23}H_{26}INO_7$
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: $[\alpha]_D$ +42 (c, 0.16 in MeOH)

>>**Variant:** (1*RS*,9*RS*)-form
Synonym(s): (±)-β-Narcotine. β-Gnoscopine