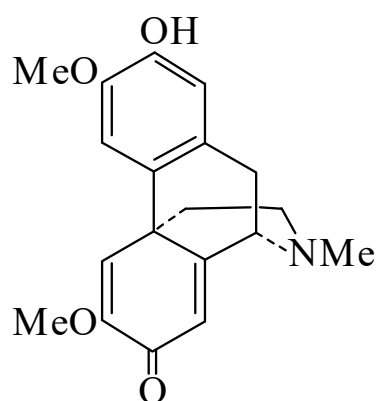




>>Entry Name: Pallidine

Synonym(s): 5,6,8,14-Tetrahydro-2-hydroxy-3,6-dimethoxy-17-methylmorphinan-7-one, 9Cl



Absolute
configuration

CAS Registry Number: 25650-75-3

Molecular Formula: C₁₉H₂₁NO₄

Molecular Weight: 327.379

Accurate Mass: 327.147059

Percentage Composition: C 69.71%; H 6.47%; N 4.28%; O 19.55%

Biological Source: Alkaloid from *Chasmanthera dependens*, *Corydalis pallida*, *Corydalis incisa*, *Corydalis koidzumiana*, *Desmos tiebaghiensis*, *Monodora crispata*, *Ocotea acutangula*, *Ocotea brachybotra*, *Rollinia mucosa*, *Thalictrum dioicum* and *Thalictrum faberi*

Physical Description: Pale yellow syrup

Optical Rotation: $[\alpha]_D^{18} -32$ (c, 0.16 in EtOH)

>>Derivative: N-De-Me

Synonym(s): Norpallidine

CAS Registry Number: 61774-73-0

Molecular Formula: C₁₈H₁₉NO₄

Molecular Weight: 313.352

Accurate Mass: 313.131409

Percentage Composition: C 69.00%; H 6.11%; N 4.47%; O 20.42%

Biological Source: Alkaloid from *Fumaria vaillantii* (Fumariaceae)

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 102°

Optical Rotation: $[\alpha]_D^{23} -11$ (MeOH)

>>Derivative: Me ether

Synonym(s): O-Methylpallidine

CAS Registry Number: 27510-33-4

Molecular Formula: C₂₀H₂₃NO₄

Molecular Weight: 341.406

Accurate Mass: 341.162709

Percentage Composition: C 70.36%; H 6.79%; N 4.10%; O 18.75%

Biological Source: Alkaloid from leaves of *Ocotea acutangula*

Physical Description: Needles (Et₂O)

Melting Point: Mp 118-120°

Optical Rotation: $[\alpha]_D^{20} +25.2$ (CHCl₃)

>>Derivative: Me ether, N-oxide

Synonym(s): O-Methylpallidine N-oxide

CAS Registry Number: 122249-94-9

Molecular Formula: C₂₀H₂₃NO₅

Molecular Weight: 357.405

Accurate Mass: 357.157624

Percentage Composition: C 67.21%; H 6.49%; N 3.92%; O 22.38%

Biological Source: Alkaloid from the whole plant of *Sarcocapnos enneaphylla* (Fumariaceae)

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D +20$ (c, 2.1 in CHCl₃)

Other Data: The first morphinandienone N-oxide