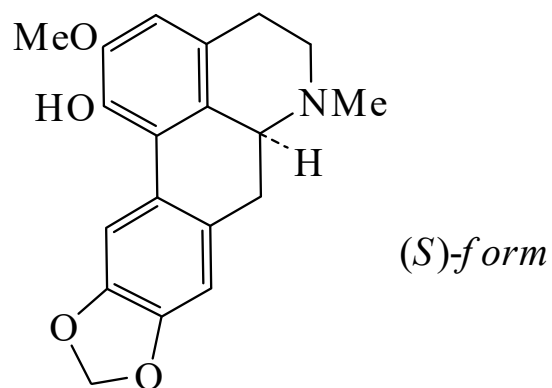




>>Entry Name: Domesticine

Synonym(s): 1-Hydroxy-2-methoxy-9,10-methylenedioxyaporphine



Molecular Formula: C₁₉H₁₉NO₄

Molecular Weight: 325.363

Accurate Mass: 325.131409

Percentage Composition: C 70.14%; H 5.89%; N 4.30%; O 19.67%

>>Variant: (S)-form

CAS Registry Number: 476-71-1

Type of Compound Code(s): VX2640

Molecular Formula: C₁₉H₁₉NO₄

Molecular Weight: 325.363

Accurate Mass: 325.131409

Percentage Composition: C 70.14%; H 5.89%; N 4.30%; O 19.67%

Biological Source: Alkaloid from *Nandina domestica* and *Cassytha pubescens*, also present in *Corydalis* and *Glaucium* spp. (Nandinaceae, Lauraceae, Fumariaceae, Papaveraceae)

Melting Point: Mp 115-117°

Optical Rotation: [α]_D +44.4 (c, 0.6 in CHCl₃)

Other Data: (R)-enantiomer also known (synthetic)

>>Derivative: N-De-Me

Synonym(s): Nordomesticine. 1-Hydroxy-2-methoxy-9,10-methylenedioxyaporphine

CAS Registry Number: 14787-35-0

Type of Compound Code(s): VX2640

Molecular Formula: C₁₈H₁₇NO₄

Molecular Weight: 311.337

Accurate Mass: 311.115759

Percentage Composition: C 69.44%; H 5.50%; N 4.50%; O 20.56%

Biological Source: Alkaloid from *Corydalis pubescens* (Fumariaceae)

Physical Description: Amorph.

Optical Rotation: [α]_D +31.4 (c, 0.83 in CHCl₃)

>>Derivative: N-De-Me, N,O-di-Ac

Physical Description: Cryst. (EtOH)

Melting Point: Mp 252-254° (235-236°)

Optical Rotation: [α]_D +326.4 (c, 0.4 in CHCl₃)

>>Derivative: N-Me

Synonym(s): N-Methyldomesticine

CAS Registry Number: 96400-62-3

Type of Compound Code(s): VX2640

Molecular Formula: C₂₀H₂₂NO₄⁽⁺⁾

Molecular Weight: 340.398

Accurate Mass: 340.154884

Percentage Composition: C 70.57%; H 6.51%; N 4.11%; O 18.80%

Biological Source: Quaternary alkaloid from the aerial parts of *Glaucium oxylobum* (Papaveraceae)

Physical Description: Thin prisms (MeOH) (as iodide)

Melting Point: Mp 255-256° (iodide)

Other Data: CAS no. refers to iodide