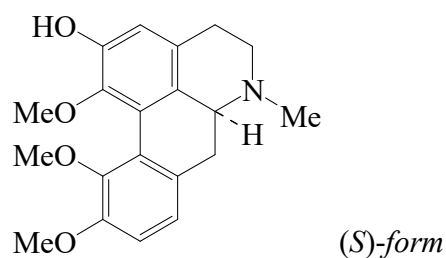




>>Entry Name: 2-Hydroxy-1,10,11-trimethoxyaporphine

Synonym(s): *N,O*-Dimethylhernovine



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%

>>Variant: (*S*)-form

CAS Registry Number: 25368-01-8

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 *Croton wilsonii* and the bark of *Litsea laeta* (Euphorbiaceae, Lauraceae)

Physical Description: Amorph.; cryst. (as hydrochloride)

Melting Point: Mp 218-219 dec.° (as hydrochloride)

Optical Rotation: [α]_D²³+139 (c, 0.51 in MeOH)

>>Derivative: *N*-De-Me

Synonym(s): 2-Hydroxy-1,10,11-trimethoxynoraporphine. **10-*O*-Methylhernovine**

CAS Registry Number: 17807-65-7

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 *Croton wilsonii* (Euphorbiaceae)

Melting Point: Mp 157-158 dec.°

Optical Rotation: [α]_D¹⁷+188 (c, 1.0 in EtOH)

>>Variant: ($\pm$)-form

CAS Registry Number: 32563-01-2

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%

Source/Synthesis: Synthetic

Physical Description: Yellow syrup; needles (MeOH/Et₂O)(as hydrochloride)

Melting Point: Mp 245-248° (hydrochloride)

References:

Stuart, K.L. *et al.*, *Tet. Lett.*, 1967, 4135-4138, (*isol*, *N-de-Me*)

Kametani, T. *et al.*, *J.C.S.(C)*, 1971, 1923-1927, ($\pm$ -form, *synth*)

Rastogi, R.C. *et al.*, *Phytochemistry*, 1980, **19**, 998-999, (*isol*, *uv*, *ir*, *pmr*, *ms*)