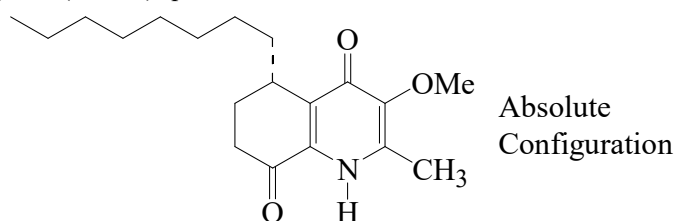




>>Entry Name: Antidesmone

Synonym(s): 6,7-Dihydro-3-methoxy-2-methyl-5-octyl-4,8(1*H*,5*H*)-quinolinedione



CAS Registry Number: 222629-77-8

Molecular Formula: C₁₉H₂₉NO₃

Molecular Weight: 319.443

Accurate Mass: 319.214744

Percentage Composition: C 71.44%; H 9.15%; N 4.38%; O 15.03%

General Statement: Struct. revised in 2000

Biological Source: Alkaloid from *Antidesma membranaceum*

Physical Description: Pale yellow oil

Optical Rotation: $[\alpha]_D^{26} +24$ (c, 0.2 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 247 (log ϵ 4.21); 275 (log ϵ 3.44); 327 (log ϵ 3.52) (MeOH)

>>Derivative: 8-Alcohol

Synonym(s): 5,6,7,8-Tetrahydro-8-hydroxy-3-methoxy-2-methyl-5-octyl-4(1*H*)-quinolinone. **Hyeronimone**

CAS Registry Number: 138690-48-9

Molecular Formula: C₁₉H₃₁NO₃

Molecular Weight: 321.459

Accurate Mass: 321.230394

Percentage Composition: C 70.99%; H 9.72%; N 4.36%; O 14.93%

Biological Source: Alkaloid from roots of *Hyeronima alchorneoides* (Euphorbiaceae)

Melting Point: Mp 85-86°

Optical Rotation: $[\alpha]_D +115$ (c, 0.06 in CHCl₃)

Other Data: Stereochem. not determined

>>Derivative: 8-Alcohol, *O*-Ac

Synonym(s): **8-*O*-Acetylhyeronimone**

CAS Registry Number: 138690-49-0

Molecular Formula: C₂₁H₃₃NO₄

Molecular Weight: 363.496

Accurate Mass: 363.240959

Percentage Composition: C 69.39%; H 9.15%; N 3.85%; O 17.61%

Biological Source: From roots of *Hyeronima alchorneoides* (Euphorbiaceae)

Melting Point: Mp 75-77°

Optical Rotation: $[\alpha]_D +178$ (c, 0.06 in CHCl₃)

References:

Tinto, W.F. *et al.*, *J. Nat. Prod.*, 1991, **54**, 1309, (*Hyeronimone*, *Acetylhyeronimone*)

Bringmann, G. *et al.*, *J.A.C.S.*, 2000, **122**, 9905-9910, (*biosynth*)

Bringmann, G. *et al.*, *Tetrahedron*, 2000, **56**, 3691-3695, (*Antidesmone*)