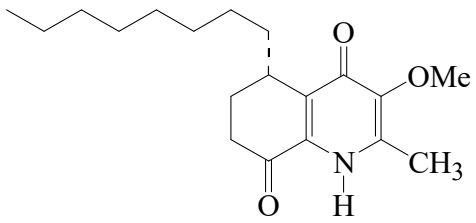
>>**Entry Name: Antidesmone**
Synonym(s): 6,7-Dihydro-3-methoxy-2-methyl-5-octyl-4,8(1*H*,5*H*)-quinolinedione



Absolute Configuration

CAS Registry Number: 222629-77-8

Molecular Formula: $C_{19}H_{29}NO_3$
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 $CHCl_3$)
UV: [neutral] λ_{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: $C_{19}H_{31}NO_3$
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 $CHCl_3$)
Other Data: Stereochem. not determined

>>**Derivative:** 8-Alcohol, *O*-Ac
Synonym(s): 8-*O*-Acetylhyeronimone

CAS Registry Number: 138690-49-0

Molecular Formula: $C_{21}H_{33}NO_4$
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 $CHCl_3$)

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)*