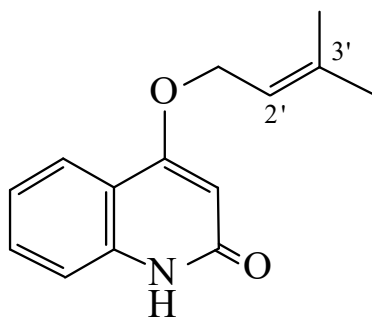




>>Entry Name: Haplafine

Synonym(s): 4-[(3-Methyl-2-butenyl)oxy]-2(1*H*)-quinolinone, 9Cl. 4-Prenyloxy-2-quinolone. Haplaphine



CAS Registry Number: 54357-78-7

Molecular Formula: C₁₄H₁₅NO₂

Molecular Weight: 229.278

Accurate Mass: 229.110279

Percentage Composition: C 73.34%; H 6.59%; N 6.11%; O 13.96%

Biological Source: Alkaloid from the aerial parts of flowering *Haplophyllum perforatum* (Rutaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 159-160°

>>Derivative: *N*-Me

Synonym(s): Ravenine

CAS Registry Number: 20105-22-0

Molecular Formula: C₁₅H₁₇NO₂

Molecular Weight: 243.305

Accurate Mass: 243.125929

Percentage Composition: C 74.05%; H 7.04%; N 5.76%; O 13.15%

Biological Source: Alkaloid from *Ravenia spectabilis* (Rutaceae)

Melting Point: Mp 120-121°

>>Derivative: *N*-Me, 2',3'-Dihydroxy

Synonym(s): 4-(2,3-Dihydroxy-3-methylbutoxy)-1-methyl-2(1*H*)-quinolinone

CAS Registry Number: 80357-89-7

Molecular Formula: C₁₅H₁₉NO₄

Molecular Weight: 277.319

Accurate Mass: 277.131409

Percentage Composition: C 64.97%; H 6.91%; N 5.05%; O 23.08%

Biological Source: Alkaloid from the heartwood of *Euxylophora paraensis* (Rutaceae)

Physical Description: Needles (C₆H₆)

Melting Point: Mp 94°

Optical Rotation: [α]_D²⁰ +31.8 (c, 0.9 in CHCl₃)

References:

Paul, B.D. *et al.*, *Indian J. Chem.*, 1969, **7**, 678, (*Ravenine*)

Jurd, L. *et al.*, *Aust. J. Chem.*, 1981, **34**, 1625, (*deriv*)

Bessonova, I.A. *et al.*, *Khim. Prir. Soedin.*, 1986, **22**, 654; *Chem. Nat. Compd. (Engl. Transl.)*, 619, (*isol, ir, pmr, struct*)