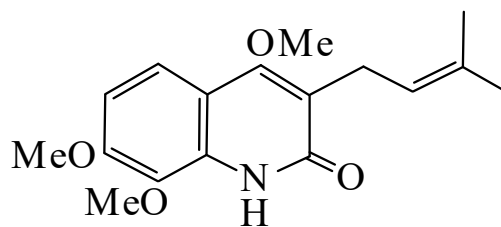




>>Entry Name: Preskimmianine

Synonym(s): 3-(3,3-Dimethylallyl)-4,7,8-trimethoxy-2(1*H*)-quinolinone. 4,7,8-Trimethoxy-3-prenyl-2(1*H*)-quinolinone. Dasycarpamine



CAS Registry Number: 38695-41-9

Molecular Formula: C₁₇H₂₁NO₄

Molecular Weight: 303.357

Accurate Mass: 303.147059

Percentage Composition: C 67.31%; H 6.98%; N 4.62%; O 21.10%

Biological Source: Alkaloid from root of *Dictamnus albus* and *Dictamnus dasycarpus* (Rutaceae)

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 151-152°

>>Derivative: *N*-Me

Synonym(s): *N*-Methylpreskimmianine

CAS Registry Number: 76525-28-5

Molecular Formula: C₁₈H₂₃NO₄

Molecular Weight: 317.384

Accurate Mass: 317.162709

Percentage Composition: C 68.12%; H 7.30%; N 4.41%; O 20.16%

Biological Source: Alkaloid from the stem bark of *Vepris louisii* (Rutaceae)

Physical Description: Plates (hexane)

Melting Point: Mp 88-89°

>>Derivative: Δ^{3',4'}-Isomer, 2'-hydroxy

Synonym(s): 3-(2-Hydroxy-3-methyl-3-butenyl)-4,7,8-trimethoxy-2(1*H*)-quinolinone. **Isoptelefoline**

CAS Registry Number: 27745-39-7

Molecular Formula: C₁₈H₂₃NO₅

Molecular Weight: 333.383

Accurate Mass: 333.157624

Percentage Composition: C 64.85%; H 6.95%; N 4.20%; O 24.00%

Biological Source: Alkaloid from *Ptelea trifoliata* (Rutaceae)

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 145-146°

>>Derivative: 3',4'-Dihydro, 2'-oxo, 3'-hydroxy

Synonym(s): **Veprisilone**

CAS Registry Number: 82848-01-9

Molecular Formula: C₁₈H₂₃NO₆

Molecular Weight: 349.383

Accurate Mass: 349.152539

Percentage Composition: C 61.88%; H 6.64%; N 4.01%; O 27.48%

Biological Source: Alkaloid from the trunk bark of *Vepris louisii* (Rutaceae)

Physical Description: Prisms (EtOAc)

Melting Point: Mp 135-136°

References:

Reisch, J. *et al.*, *Tet. Lett.*, 1970, 1945, (*Isoptelefoline*)

Storer, R. *et al.*, *Tetrahedron*, 1973, **29**, 1217, (*Preskimmianine*)

Ayafor, J.F. *et al.*, *Phytochemistry*, 1982, **21**, 955; 2733, (*Veprisilone*, *N*-Methylpreskimmianine)

Ramesh, M. *et al.*, *Tetrahedron*, 1984, **40**, 4041-4049, (*synth*, *pmr*)