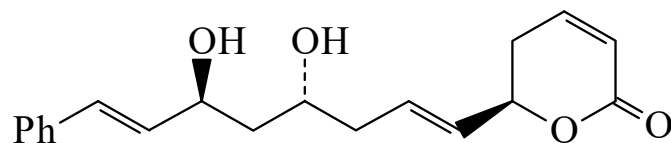




>>Entry Name: **Cryptofolione**

Synonym(s): 6-(4,6-Dihydroxy-8-phenyl-1,7-octadienyl)-5,6-dihydro-2*H*-pyran-2-one, 9Cl



CAS Registry Number: 160098-78-2

Molecular Formula: C₁₉H₂₂O₄

Molecular Weight: 314.38

Accurate Mass: 314.15181

Percentage Composition: C 72.59%; H 7.05%; O 20.36%

Biological Source: Constit. of *Cryptocarya latifolia* and *Cryptocarya myrtifolia* (Lauraceae)

Physical Description: Yellow oil

Optical Rotation: [α]_D²³+57 (c, 0.52 in CH₂Cl₂)

>>Derivative: 6'-Ac

Molecular Formula: C₂₁H₂₄O₅

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Constit. of *Cryptocarya liebertiana*

Physical Description: Unstable oil

Optical Rotation: [α]_D²⁵+86.1 (c, 0.4 in CHCl₃)

>>Derivative: 7',8'-Dihydro

Synonym(s): 6-(4,6-Dihydroxy-8-phenyl-1-octenyl)-5,6-dihydro-2*H*-pyran-2-one. **Strictifolione**

Molecular Formula: C₁₉H₂₄O₄

Molecular Weight: 316.396

Accurate Mass: 316.16746

Percentage Composition: C 72.13%; H 7.65%; O 20.23%

Biological Source: Constit. of *Cryptocarya strictifolia*

Physical Description: Needles (CHCl₃/hexane)

Melting Point: Mp 119-121°

Optical Rotation: [α]_D²⁴+81.5 (c, 0.52 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 206 (log ϵ 4.36); 252 (log ϵ 3.06) (MeOH)

>>Derivative: 6'-Deoxy, 5',6'-didehydro

Synonym(s): 5,6-Dihydro-6-(4-hydroxy-8-phenyl-1,5,7-octatrienyl)-2*H*-pyran-2-one

Molecular Formula: C₁₉H₂₀O₃

Molecular Weight: 296.365

Accurate Mass: 296.141245

Percentage Composition: C 77.00%; H 6.80%; O 16.20%

Biological Source: Constit. of *Cryptocarya liebertiana*

Physical Description: Unstable oil

Optical Rotation: [α]_D²⁵+56 (c, 0.5 in CHCl₃)

References:

Sehlapelo, B.M. *et al.*, *Phytochemistry*, 1994, **37**, 847, (*isol, ir, pmr, cmr*)

Drewes, S.E. *et al.*, *Phytochemistry*, 1997, **44**, 437, (*isol, deriv, pmr, cmr*)

Juliawaty, L.D. *et al.*, *Phytochemistry*, 2000, **54**, 989-993, (*Strietifolione*)