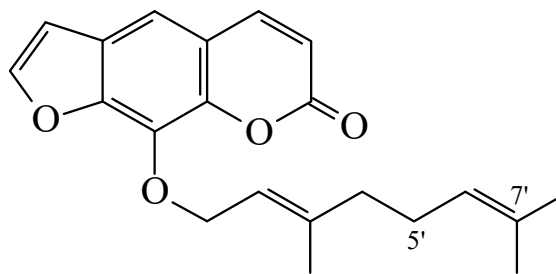




>>Entry Name: 8-[(3,7-Dimethyl-2,6-octadienyl)oxy]-7*H*-furo[3,2-*g*][1]benzopyran-7-one, 9Cl

ENTRY UNDER REVIEW

Synonym(s): 8-Geranyloxypsoralen. 9-Geranyloxypsoralen



CAS Registry Number: 7437-55-0

Type of Compound Code(s): VI8000 VI0708

Molecular Formula: C₂₁H₂₂O₄

Molecular Weight: 338.402

Accurate Mass: 338.15181

Percentage Composition: C 74.54%; H 6.55%; O 18.91%

Biological Source: Constit. of lemon oil and of *Heracleum candicans*

Physical Description: Needles (petrol)

Melting Point: Mp 53-54°

Other Data: The 8-numbering derives from an obsolete system

>>Derivative: Δ^5 -Isomer, 7'-hydroxy

Synonym(s): 8-(7-Hydroxy-3,7-dimethyl-2,5-octadienyloxy)psoralen

CAS Registry Number: 144398-34-5

Type of Compound Code(s): VI0708 VI8000

Molecular Formula: C₂₁H₂₂O₅

Molecular Weight: 354.402

Accurate Mass: 354.146725

Percentage Composition: C 71.17%; H 6.26%; O 22.57%

Biological Source: Constit. of *Phlebalium tuberculosum* ssp. *megaphyllum*

Physical Description: Gum

>>Derivative: Δ^5 -Isomer, 7'-hydroperoxy

Synonym(s): Lansiumarin B

Type of Compound Code(s): VI8000 VI0708

Molecular Formula: C₂₁H₂₂O₆

Molecular Weight: 370.401

Accurate Mass: 370.14164

Percentage Composition: C 68.10%; H 5.99%; O 25.92%

Biological Source: Constit. of *Clausena lansium*

Physical Description: Pale yellow oil

UV: [neutral] $\lambda_{\max}$ 207 (); 217 (sh) (); 243 (); 248 (sh) (); 263 (sh) (); 296 () (MeOH)

>>Derivative: Δ^7 -Isomer, 6'-oxo

Synonym(s): Lansiumarin A

CAS Registry Number: 205115-73-7

Type of Compound Code(s): VI0708 VI8000

Molecular Formula: C₂₁H₂₀O₅

Molecular Weight: 352.386

Accurate Mass: 352.131075

Percentage Composition: C 71.58%; H 5.72%; O 22.70%

Biological Source: Constit. of *Clausena lansium*

Physical Description: Pale yellow oil

UV: [neutral] $\lambda_{\max}$ 206 (sh) (); 218 (); 243 (sh) (); 248 (); 264 (sh) (); 300 () (MeOH)