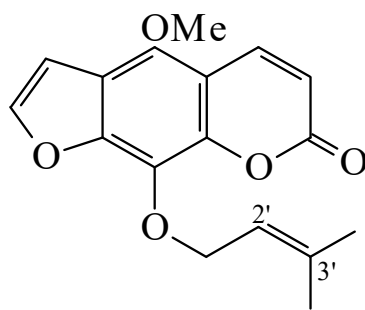




>>Entry Name: Phellopterin

Synonym(s): 4-Methoxy-9-[(3-methyl-2-butenyl)oxy]-7*H*-furo[3,2-*g*][1]benzopyran-7-one, 9Cl. 4-Methoxy-9-prenyloxypsoralen



CAS Registry Number: 2543-94-4

Molecular Formula: C₁₇H₁₆O₅

Molecular Weight: 300.31

Accurate Mass: 300.099775

Percentage Composition: C 67.99%; H 5.37%; O 26.64%

Biological Source: From fruits of *Phellopterus littoralis*, *Heracleum mantegazzianum*, *Ferula alliacea* and root of *Angelica glabra*

Melting Point: Mp 102°

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

Synonym(s): Heracol

CAS Registry Number: 29023-65-2

Molecular Formula: C₁₇H₁₈O₆

Molecular Weight: 318.326

Accurate Mass: 318.11034

Percentage Composition: C 64.14%; H 5.70%; O 30.16%

Biological Source: Constit. of *Heracleum asperum*

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{21} +18$ (EtOH)

>>Derivative: Δ^3 -Isomer, 2'-hydroxy

Synonym(s): Neobyakangelicol

CAS Registry Number: 35214-82-5

Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

Biological Source: Isol. from *Angelica dahurica*

Physical Description: Cryst.

Melting Point: Mp 106-107°

Optical Rotation: $[\alpha]_D^{20} -2$ (EtOH)

Other Data: Abs. config. of side chain not known

References:

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