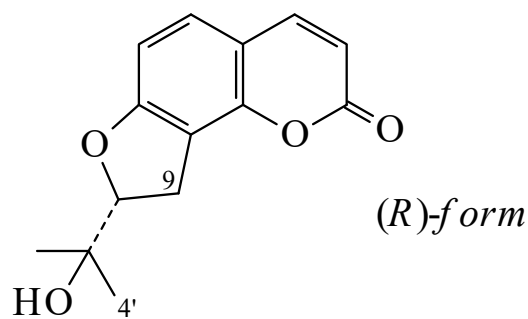




>>Entry Name: Dihydrooroselol

Synonym(s): 8,9-Dihydro-8-(1-hydroxy-1-methylethyl)-2*H*-furo[2,3-*h*]-1-benzopyran-2-one, 9Cl. Columbianetin. Zosimol



Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

>>Variant: (*R*)-form

CAS Registry Number: 52842-47-4

Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

Biological Source: Obt. from *Xanthoxylum arnottianum* ("Iwa-zansho")

Physical Description: Cryst.

Melting Point: Mp 166-166.5°

Optical Rotation: $[\alpha]_D^{17} -188.3$ (CHCl₃)

>>Variant: (*S*)-form

CAS Registry Number: 3804-70-4

Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

Biological Source: Isol. from *Lomatium dissectum* = *Leptotaenia multifida*

Physical Description: Cryst. (Et₂O/CHCl₃)

Melting Point: Mp 162.8-163.3°

Optical Rotation: $[\alpha]_D^{24} +250$ (c, 0.5 in MeOH)

>>Derivative: *O*-Ac

Synonym(s): Libanoridin

CAS Registry Number: 23180-65-6

Molecular Formula: C₁₆H₁₆O₅

Molecular Weight: 288.299

Accurate Mass: 288.099775

Percentage Composition: C 66.66%; H 5.59%; O 27.75%

Biological Source: From *Ligusticum seguieri* and *Libanotis schrenkiana*

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 134.5-135.5° (127.5-128.5°)

Optical Rotation: $[\alpha]_D^{20} +263$ (MeOH)

UV: [neutral] $\lambda_{\max}$ 209 (); 326 () (MeOH) (Berdy)

Other Data: The original sample of Libanoridin from *L. schrenkiana*, had Mp 125-126° and unreported opt. activity

>>Derivative: *O*-Propanoyl

Molecular Formula: C₁₇H₁₈O₅

Molecular Weight: 302.326

Accurate Mass: 302.115425

Percentage Composition: C 67.54%; H 6.00%; O 26.46%

Biological Source: Constit. of *Angelica pubescens* f. *biserrata*

Physical Description: Needles

Melting Point: Mp 117-118°

Optical Rotation: $[\alpha]$