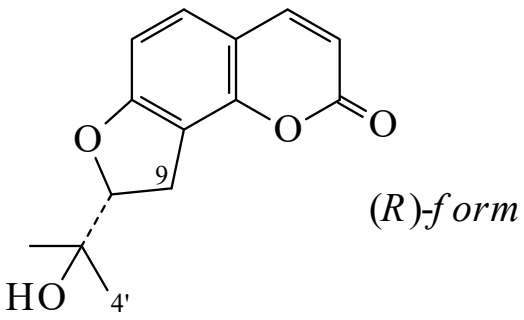
>>**Entry Name: Dihydrooroselol**
Synonym(s): 8,9-Dihydro-8-(1-hydroxy-1-methylethyl)-2*H*-furo[2,3-*h*]-1-benzopyran-2-one, 9CI. Columbianetin. Zosimol



(*R*)-*form*

Molecular Formula: $C_{14}H_{14}O_4$
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: $C_{14}H_{14}O_4$
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 ($CHCl_3$)

>>**Variant:** (*S*)-form

CAS Registry Number: 3804-70-4

Molecular Formula: $C_{14}H_{14}O_4$
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. ($Et_2O/CHCl_3$)
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: $C_{16}H_{16}O_5$
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] λ_{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: $C_{17}H_{18}O_5$
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: [α]

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