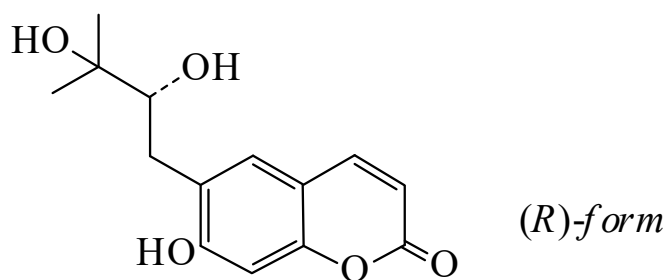




>>Entry Name: Peucedanol

Synonym(s): 6-(2,3-Dihydroxy-3-methylbutyl)-7-hydroxy-2*H*-1-benzopyran-2-one, 9Cl. 6-(2,3-Dihydroxy-3-methylbutyl)-7-hydroxycoumarin



CAS Registry Number: 20126-72-1

Related CAS Registry Numbers(s): 36149-96-9 38409-37-9

Molecular Formula: C₁₄H₁₆O₅

Molecular Weight: 264.277

Accurate Mass: 264.099775

Percentage Composition: C 63.63%; H 6.10%; O 30.27%

>>Variant: (*R*)-form

CAS Registry Number: 20516-23-8

Molecular Formula: C₁₄H₁₆O₅

Molecular Weight: 264.277

Accurate Mass: 264.099775

Percentage Composition: C 63.63%; H 6.10%; O 30.27%

Biological Source: Constit. of roots of *Peucedanum japonicum*

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 177.5-178° (174-175°)

Optical Rotation: $[\alpha]_D^{23} +50.2$ (c, 0.5 in EtOH)

>>Derivative: 2'-*O*-β-D-Glucopyranoside

CAS Registry Number: 65853-03-4

Molecular Formula: C₂₀H₂₆O₁₀

Molecular Weight: 426.419

Accurate Mass: 426.1526

Percentage Composition: C 56.33%; H 6.15%; O 37.52%

Biological Source: Constit. of *Seseli montanum*

Optical Rotation: $[\alpha]_D^{23} +13.4$ (c, 1.2 in MeOH)

>>Derivative: 3'-*O*-β-D-Glucopyranoside

CAS Registry Number: 65891-61-4

Molecular Formula: C₂₀H₂₆O₁₀

Molecular Weight: 426.419

Accurate Mass: 426.1526

Percentage Composition: C 56.33%; H 6.15%; O 37.52%

Biological Source: Constit. of *Seseli montanum* and *Phlojodicarpus turczaninovii*

Melting Point: Mp 160-162°

Optical Rotation: $[\alpha]_D^{23} +16.9$ (c, 1.2 in MeOH)

>>Derivative: 7-*O*-β-D-Glucopyranoside

CAS Registry Number: 65853-04-5

Molecular Formula: C₂₀H₂₆O₁₀

Molecular Weight: 426.419

Accurate Mass: 426.1526

Percentage Composition: C 56.33%; H 6.15%; O 37.52%

Biological Source: Constit. of roots of *Seseli montanum*

Melting Point: Mp 205-205.5°

Optical Rotation: $[\alpha]_D^{24} -12.3$ (c, 1 in MeOH)