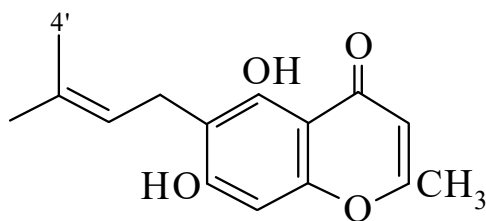




>>Entry Name: Peucenin

Synonym(s): 5,7-Dihydroxy-2-methyl-6-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. 5,7-Dihydroxy-2-methyl-6-prenylchromone



CAS Registry Number: 578-72-3

Molecular Formula: C₁₅H₁₆O₄

Molecular Weight: 260.289

Accurate Mass: 260.10486

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

Biological Source: From the rhizome of *Peucedanum ostruthium* and the heartwood of *Ptaeroxylon obliquum*

Physical Description: Plates (Et₂O)

Melting Point: Mp 212°

>>Derivative: 7-Me ether

Synonym(s): 7-*O*-Methylpeucenin. 5-Hydroxy-7-methoxy-2-methyl-6-prenylchromone. **7-*O*-Methylpeucenin**

CAS Registry Number: 13544-40-6

Molecular Formula: C₁₆H₁₈O₄

Molecular Weight: 274.316

Accurate Mass: 274.12051

Percentage Composition: C 70.06%; H 6.61%; O 23.33%

Biological Source: Constit. of *Angelica* sp., *Harrisonia* sp., *Peucedanum* sp., *Skimmia* sp. and *Marshallia obovata*

Physical Description: Needles (MeOH)

Melting Point: Mp 108.5-109.5°

>>Derivative: 4'-Hydroxy

Synonym(s): Cnidimol A

CAS Registry Number: 103629-80-7

Molecular Formula: C₁₅H₁₆O₅

Molecular Weight: 276.288

Accurate Mass: 276.099775

Percentage Composition: C 65.21%; H 5.84%; O 28.95%

Biological Source: Isol. from the Chinese crude drug "She Chang Zi", the fruit of a *Cnidium* sp.

Melting Point: Mp 203-204°

>>Derivative: 4'-Hydroxy, 7-*O*-β-D-glucopyranoside

Synonym(s): Cnidimol 7-glucoside

CAS Registry Number: 121748-72-9

Molecular Formula: C₂₁H₂₆O₁₀

Molecular Weight: 438.43

Accurate Mass: 438.1526

Percentage Composition: C 57.53%; H 5.98%; O 36.49%

Biological Source: Constit. of *Angelica archangelica* and *Archangelica litoralis*

Other Data: C-2' config. not known

>>Derivative: 4'-β-D-(Glucopyranosyloxy)

Synonym(s): Cnidimoside A

CAS Registry Number: 155112-93-9

Molecular Formula: C₂₁H₂₆O₁₀

Molecular Weight: 438.43

Accurate Mass: 438.1526

Percentage Composition: C 57.53%; H 5.98%; O 36.49%

Biological Source: Constit. of *Cnidium japonicum*

Physical Description: Cryst. powder

Melting Point: Mp 137-139°

Optical Rotation: [α]