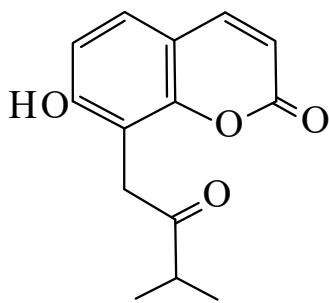




>>Entry Name: 7-Hydroxy-8-(3-oxo-2-methylbutyl)-2H-1-benzopyran-2-one

Synonym(s): 7-Hydroxy-8-(3-oxo-2-methylbutyl)coumarin



Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

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

>>Derivative: Me ether

Synonym(s): Isomeranzin. Isomerancin. Isoauraptene

CAS Registry Number: 1088-17-1

Molecular Formula: C₁₅H₁₆O₄

Molecular Weight: 260.289

Accurate Mass: 260.10486

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

Biological Source: Constit. of *Skimmia japonica*

Physical Description: Cryst. (pentane)

Melting Point: Mp 60-62°

Other Data: The name Isoauraptene (given in CAS) is misleading

>>Derivative: O-(3-Methyl-2-butenyl)

Synonym(s): Anisocoumarin E

CAS Registry Number: 72545-59-6

Molecular Formula: C₁₉H₂₂O₄

Molecular Weight: 314.38

Accurate Mass: 314.15181

Percentage Composition: C 72.59%; H 7.05%; O 20.36%

Physical Description: Yellow oil

UV: [neutral] λ_{max} 247 (sh) (ε 4570); 259 (ε 4900); 324 (ε 11200) (EtOH) (Derep)

>>Derivative: O-(2,3-Dihydroxy-3-methylbutyl)

Synonym(s): Triphasiol

CAS Registry Number: 81445-98-9

Molecular Formula: C₁₉H₂₄O₆

Molecular Weight: 348.395

Accurate Mass: 348.15729

Percentage Composition: C 65.50%; H 6.94%; O 27.55%

Biological Source: Constit. of *Triphasia trifolia*

Physical Description: Cryst. (CHCl₃/petrol)

Melting Point: Mp 85°

>>Derivative: O-(2,3-Epoxy-3-methylbutyl)

Synonym(s): Isoponcimarin

CAS Registry Number: 59176-65-7

Molecular Formula: C₁₉H₂₂O₅

Molecular Weight: 330.38

Accurate Mass: 330.146725

Percentage Composition: C 69.07%; H 6.71%; O 24.21%

Biological Source: Isol. from unripe fruits of *Poncirus trifoliata*

Physical Description: Cryst. (hexane)

Melting Point: Mp 85°

Optical Rotation: [α]