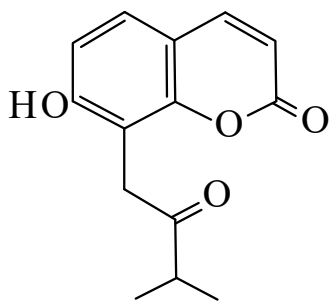




>>Entry Name: 7-Hydroxy-8-(3-oxo-2-methylbutyl)-2H-1-benzopyran-2-one

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



**Molecular Formula:** C<sub>14</sub>H<sub>14</sub>O<sub>4</sub>

**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:** C<sub>15</sub>H<sub>16</sub>O<sub>4</sub>

**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:** C<sub>19</sub>H<sub>22</sub>O<sub>4</sub>

**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<sub>max</sub> 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:** C<sub>19</sub>H<sub>24</sub>O<sub>6</sub>

**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. (CHCl<sub>3</sub>/petrol)

**Melting Point:** Mp 85°

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

Synonym(s): Isoponcimarin

**CAS Registry Number:** 59176-65-7

**Molecular Formula:** C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>

**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]