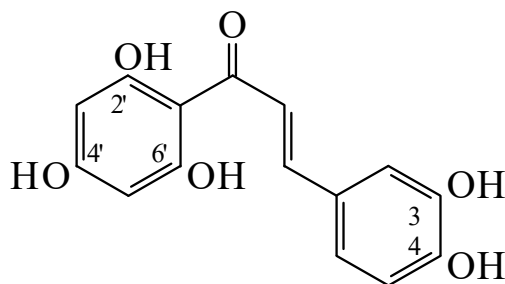




>>Entry Name: 2',3,4,4',6'-Pentahydroxychalcone

ENTRY UNDER REVIEW

Synonym(s): 3-(3,4-Dihydroxyphenyl)-1-(2,4,6-trihydroxyphenyl)-2-propen-1-one



**Molecular Formula:** C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>

**Molecular Weight:** 288.256

**Accurate Mass:** 288.06339

**Percentage Composition:** C 62.50%; H 4.20%; O 33.30%

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

**CAS Registry Number:** 20126-63-0

**Molecular Formula:** C<sub>21</sub>H<sub>22</sub>O<sub>11</sub>

**Molecular Weight:** 450.398

**Accurate Mass:** 450.116215

**Percentage Composition:** C 56.00%; H 4.92%; O 39.08%

**Biological Source:** Isol. from *Helichrysum bracteatum*

**Physical Description:** Yellow or orange needles (H<sub>2</sub>O)

**Melting Point:** Mp 171-173° (165-166°)

>>Derivative: 3-Me ether

Synonym(s): 2',4,4',6'-Tetrahydroxy-3-methoxychalcone. **Homoeriodictyol chalcone**

**CAS Registry Number:** 25515-47-3

**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>O<sub>6</sub>

**Molecular Weight:** 302.283

**Accurate Mass:** 302.07904

**Percentage Composition:** C 63.57%; H 4.67%; O 31.76%

**Biological Source:** Constit. of *Populus sieboldii*

>>Derivative: 3-Me ether, 2'-O-β-D-glucopyranoside

**CAS Registry Number:** 80830-19-9

**Molecular Formula:** C<sub>22</sub>H<sub>24</sub>O<sub>11</sub>

**Molecular Weight:** 464.425

**Accurate Mass:** 464.131865

**Percentage Composition:** C 56.90%; H 5.21%; O 37.89%

**Biological Source:** Isol. from *Acacia dealbata*

>>Derivative: 2',4-Di-Me ether, 4'-O-[α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): **Hesperidin methylchalcone**

**CAS Registry Number:** 24292-52-2

**Extra CAS Registry Numbers(s):** 25429-20-3

**Molecular Formula:** C<sub>29</sub>H<sub>36</sub>O<sub>15</sub>

**Molecular Weight:** 624.594

**Accurate Mass:** 624.205425

**Percentage Composition:** C 55.77%; H 5.81%; O 38.42%

**Biological Source:** Constit. of the fruit of *Myrtus communis*