



Accurate Mass: 286.084125
Percentage Composition: C 67.13%; H 4.93%; O 27.94%
Biological Source: Isol. from *Dahlia* spp. and *Perymenium hintonii*
Melting Point: Mp 200-205°

>>**Derivative:** 2'-Me ether

Synonym(s): 3,4,4'-Trihydroxy-2'-methoxychalcone. **Sappanchalcone**

CAS Registry Number: 94344-54-4

Molecular Formula: C₁₆H₁₄O₅
Molecular Weight: 286.284
Accurate Mass: 286.084125
Percentage Composition: C 67.13%; H 4.93%; O 27.94%
Biological Source: Isol. from heartwood of *Caesalpinia sappan*
Physical Description: Yellow needles
Melting Point: Mp 199.5-200.5°

>>**Derivative:** 4'-Me ether

Synonym(s): 2',3,4-Trihydroxy-4'-methoxychalcone. **Calythropsin**

CAS Registry Number: 152340-67-5

Molecular Formula: C₁₆H₁₄O₅
Molecular Weight: 286.284
Accurate Mass: 286.084125
Percentage Composition: C 67.13%; H 4.93%; O 27.94%
Biological Source: Constit. of *Calythropsis aurea*
Biological Use/Importance: Cytotoxic agent
Physical Description: Yellow solid
UV: [neutral] λ_{max} 204 (ε 34400); 365 (ε 16400) (EtOH) (Berdy) [base] λ_{max} 215 (); 329 (); 415 () (EtOH-NaOH) (Berdy)

>>**Derivative:** 3,4-Di-Me ether

Synonym(s): 2',4'-Dihydroxy-3,4-dimethoxychalcone

Molecular Formula: C₁₇H₁₆O₅
Molecular Weight: 300.31
Accurate Mass: 300.099775
Percentage Composition: C 67.99%; H 5.37%; O 26.64%
Biological Source: Isol. from *Iryanthera polyneura*

References:

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