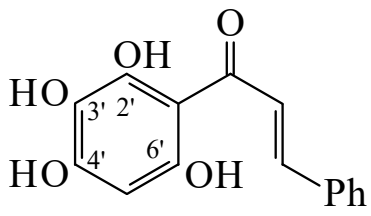
>>**Entry Name: 2',3',4',6'-Tetrahydroxychalcone,** 8CI
Synonym(s): 3-Phenyl-1-(2,3,4,6-tetrahydroxyphenyl)-2-propen-1-one, 9CI



CAS Registry Number: 29287-30-7
Related CAS Registry Numbers(s): 74064-14-5 77129-52-3

Molecular Formula: $C_{15}H_{12}O_5$
Molecular Weight: 272.257
Accurate Mass: 272.068475
Percentage Composition: C 66.17%; H 4.44%; O 29.38%

>>**Derivative:** 6'-Me ether, 3'-angeloyl
Synonym(s): 3'-Angeloyloxy-2',4'-dihydroxy-6'-methoxychalcone

CAS Registry Number: 116988-10-4

Molecular Formula: $C_{21}H_{20}O_6$
Molecular Weight: 368.385
Accurate Mass: 368.12599
Percentage Composition: C 68.47%; H 5.47%; O 26.06%
Biological Source: Constit. of *Polygonum lapathifolium*
Physical Description: Gum

>>**Derivative:** 3',4'-Di-Me ether
Synonym(s): 2',6'-Dihydroxy-3',4'-dimethoxychalcone. **Pashanone**

CAS Registry Number: 42438-78-8

Molecular Formula: $C_{17}H_{16}O_5$
Molecular Weight: 300.31
Accurate Mass: 300.099775
Percentage Composition: C 67.99%; H 5.37%; O 26.64%
Biological Source: Isol. from *Didymocarpus pedicellata* and *Onychium auratum*
Physical Description: Orange-red plates (C_6H_6/petrol)
Melting Point: Mp 147-149°

>>**Derivative:** 3',6'-Di-Me ether
Synonym(s): 2',4'-Dihydroxy-3',6'-dimethoxychalcone

CAS Registry Number: 54299-50-2

Molecular Formula: $C_{17}H_{16}O_5$
Molecular Weight: 300.31
Accurate Mass: 300.099775
Percentage Composition: C 67.99%; H 5.37%; O 26.64%
Biological Source: Isol. from *Polygonum senegalense*
Physical Description: Orange cryst. (CH_2Cl_2/hexane)
Melting Point: Mp 124-125°
UV: [neutral] λ_{max} 211 (ε 31500); 348 (ε 27000) (MeOH) (Berdy) [base] λ_{max} 392 (ε 27000) (MeOH-NAOH) (Berdy)

>>**Derivative:** 4',6'-Di-Me ether
Synonym(s): 2',3'-Dihydroxy-4',6'-dimethoxychalcone

CAS Registry Number: 54299-64-8

Molecular Formula: $C_{17}H_{16}O_5$
Molecular Weight: 300.31
Accurate Mass: 300.099775
Percentage Composition: C 67.99%; H 5.37%; O 26.64%
Biological Source: Isol. from *Piper hispidum*, *Didymocarpus pedicellata* and *Uvaria dulcis*
Physical Description: Orange cryst. (C_6H_6)
Melting Point: Mp 60-62°. Mp 124-126°