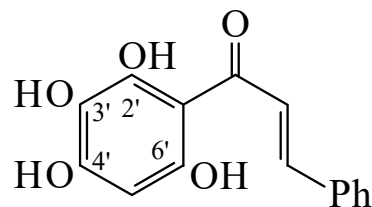




>>Entry Name: 2',3',4',6'-Tetrahydroxychalcone, 8Cl

Synonym(s): 3-Phenyl-1-(2,3,4,6-tetrahydroxyphenyl)-2-propen-1-one, 9Cl



CAS Registry Number: 29287-30-7

Related CAS Registry Numbers(s): 74064-14-5 77129-52-3

Molecular Formula: C₁₅H₁₂O₅

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: C₂₁H₂₀O₆

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: C₁₇H₁₆O₅

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 (C₆H₆/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: C₁₇H₁₆O₅

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. (CH₂Cl₂/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: C₁₇H₁₆O₅

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. (C₆H₆)

Melting Point: Mp 60-62°. Mp 124-126°