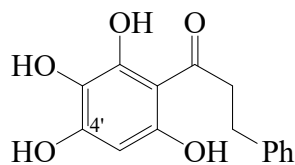




>>Entry Name: 3-Phenyl-1-(2,3,4,6-tetrahydroxyphenyl)-1-propanone

Synonym(s): 2',3',4',6'-Tetrahydroxydihydrochalcone



Molecular Formula: C₁₅H₁₄O₅

Molecular Weight: 274.273

Accurate Mass: 274.084125

Percentage Composition: C 65.69%; H 5.14%; O 29.17%

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

Synonym(s): 2',6'-Dihydroxy-3',4'-dimethoxydihydrochalcone. **Dihdropashanone**

CAS Registry Number: 41997-41-5

Molecular Formula: C₁₇H₁₈O₅

Molecular Weight: 302.326

Accurate Mass: 302.115425

Percentage Composition: C 67.54%; H 6.00%; O 26.46%

Biological Source: Constit. of *Lindera erythrocarpa*

Physical Description: Prisms (CHCl₃)

Melting Point: Mp 130-132°

UV: [neutral] λ_{max} 212 (); 233 (sh) (); 284 (); 381 () (EtOH)

>>Derivative: 3',6'-Di-Me ether, 4'-O-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): **Salicifolioside A**

Molecular Formula: C₂₉H₃₈O₁₅

Molecular Weight: 626.61

Accurate Mass: 626.221075

Percentage Composition: C 55.59%; H 6.11%; O 38.30%

Biological Source: Constit. of *Polygonum salicifolium*

Physical Description: Pale yellow powder

Optical Rotation: [α]_D²³ -20 (c, 0.12 in MeOH)

UV: [neutral] λ_{max} 208 (); 233 (sh) (); 287 (); 333 () (MeOH)

>>Derivative: 4',6'-Di-Me ether

Synonym(s): 1-(2,3-Dihydroxy-4,6-dimethoxyphenyl)-3-phenyl-1-propanone. **2',3'-Dihydroxy-4',6'-dimethoxydihydrochalcone**

CAS Registry Number: 54299-22-8

Molecular Formula: C₁₇H₁₈O₅

Molecular Weight: 302.326

Accurate Mass: 302.115425

Percentage Composition: C 67.54%; H 6.00%; O 26.46%

Biological Source: Constit. of *Anomianthus (Uvaria) dulcis*

Physical Description: Light yellow cryst. (hexane/CHCl₃)

Melting Point: Mp 141-142° (134-136°)

UV: [neutral] λ_{max} 242 (log ε 4.07); 291 (log ε 4.27); 350 (log ε 3.59) (MeOH)

>>Derivative: 3',4',6'-Tri-Me ether

Synonym(s): 1-(2-Hydroxy-3,4,6-trimethoxyphenyl)-3-phenyl-1-propanone. 2'-Hydroxy-3',4',6'-trimethoxydihydrochalcone

Molecular Formula: C₁₈H₂₀O₅

Molecular Weight: 316.353

Accurate Mass: 316.131075

Percentage Composition: C 68.34%; H 6.37%; O 25.29%

Biological Source: Constit. of *Fissistigma bracteolatum*

Physical Description: Needles (Me₂CO)

Melting Point: Mp 101-103°

UV: [neutral] λ_{max} 203 (sh) (); 235 (sh) (); 288 (log ε 4.17) (MeOH)

References: