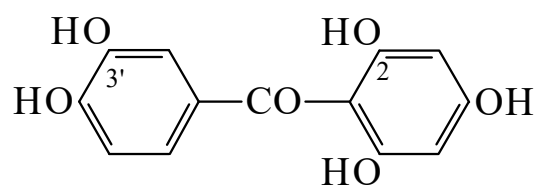




>>Entry Name: **2,3',4,4',6-Pentahydroxybenzophenone**, 8Cl

Synonym(s): (3,4-Dihydroxyphenyl)(2,4,6-trihydroxyphenyl)methanone, 9Cl. **Maclurin**. Moringerbic acid. Laguncurin



CAS Registry Number: 519-34-6

Molecular Formula: C₁₃H₁₀O₆

Molecular Weight: 262.218

Accurate Mass: 262.04774

Percentage Composition: C 59.55%; H 3.84%; O 36.61%

Biological Source: Extract from *Chlorophora tinctoria* and heartwood of *Garcinia mangostana*. Also from *Morus alba* and *Laguncularia racemosa*

Physical Description: Yellowish prisms (H₂O)

Melting Point: Mp 222-222.5°

Rare Chemicals Library: S40905-7

>>Derivative: 2,4,6-Tri-Me ether

Synonym(s): 3',4'-Dihydroxy-2,4,6-trimethoxybenzophenone. **Cotogenin**

Molecular Formula: C₁₆H₁₆O₆

Molecular Weight: 304.299

Accurate Mass: 304.09469

Percentage Composition: C 63.15%; H 5.30%; O 31.55%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 217°

>>Derivative: Penta-Me ether

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

CAS Registry Number: 58262-60-5

Molecular Formula: C₁₈H₂₀O₆

Molecular Weight: 332.352

Accurate Mass: 332.12599

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Physical Description: Pale-yellow needles (MeOH)

Melting Point: Mp 165-166° (156.8-157.2°)

>>Derivative: 3',4'-Methylene, 2,4-di-Me ether

Synonym(s): 2-Hydroxy-4,6-dimethoxy-3',4'-methylenedioxybenzophenone. **Protocotoin**

Molecular Formula: C₁₆H₁₄O₆

Molecular Weight: 302.283

Accurate Mass: 302.07904

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

Biological Source: Found in Coto bark

Physical Description: Prisms (MeOH)

Melting Point: Mp 141-142°

>>Derivative: 3',4'-Methylene, 2,4,6-tri-Me ether

Synonym(s): 2,4,6-Trimethoxy-3',4'-methylenedioxybenzophenone. **Methylprotocotoin**. Oxyleucotin

Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

Biological Source: Isol. from Coto rind

Physical Description: Prisms (EtOH)

Melting Point: Mp 133-135°