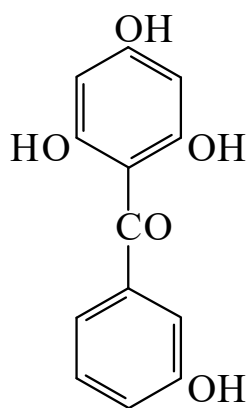




>>Entry Name: 2,3',4,6-Tetrahydroxybenzophenone

Synonym(s): (3-Hydroxyphenyl)(2,4,6-trihydroxyphenyl)methanone, 9CI



CAS Registry Number: 26271-33-0

Molecular Formula: C₁₃H₁₀O₅

Molecular Weight: 246.219

Accurate Mass: 246.052825

Percentage Composition: C 63.42%; H 4.09%; O 32.49%

Source/Synthesis: Found in the rhizomes of *Gentiana lutea*

Physical Description: Pale-yellow leaflets (H₂O)

Melting Point: Mp 246 dec.°

>>Derivative: 2,4-Di-Me ether

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

CAS Registry Number: 34425-65-5

Molecular Formula: C₁₅H₁₄O₅

Molecular Weight: 274.273

Accurate Mass: 274.084125

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

Biological Source: Constit. of heartwood of *Allanblackia floribunda*

Physical Description: Cream solid

Melting Point: Mp 105-107°

>>Derivative: 2,3',4-Tri-Me ether

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

CAS Registry Number: 21332-23-0

Molecular Formula: C₁₆H₁₆O₅

Molecular Weight: 288.299

Accurate Mass: 288.099775

Percentage Composition: C 66.66%; H 5.59%; O 27.75%

Melting Point: Mp 123-125°

Boiling Point: Bp_{0.1} 180-188°

References:

Nishikawa, H. *et al.*, *J.C.S.*, 1922, **121**, 839

Atkinson, J.G. *et al.*, *Tetrahedron*, 1969, **25**, 1507

Locksley, H.D. *et al.*, *J.C.S.(C)*, 1971, 1332, (*deriv*)