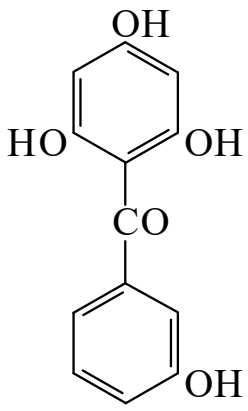
>>**Entry Name: 2,3',4,6-Tetrahydroxybenzophenone**
Synonym(s): (3-Hydroxyphenyl)(2,4,6-trihydroxyphenyl)methanone, 9Cl



CAS Registry Number: 26271-33-0

Molecular Formula: $C_{13}H_{10}O_5$
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 (H_2O)
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: $C_{15}H_{14}O_5$
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: $C_{16}H_{16}O_5$
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)*