



>>Entry Name: 4,4'-Dihydroxybenzophenone, 8Cl

Synonym(s): Bis(4-hydroxyphenyl)methanone, 9Cl

CAS Registry Number: 611-99-4

Related CAS Registry Numbers(s): 61002-54-8

Structure by analogy with 2,2'-Dihydroxybenzophenone, [BJS15-N](#)

Molecular Formula: C₁₃H₁₀O₃

Molecular Weight: 214.22

Accurate Mass: 214.062995

Percentage Composition: C 72.89%; H 4.70%; O 22.41%

Use/Importance: Comonomer for polyesters and polyether ketones

Physical Description: Cryst. (H₂O)

Melting Point: Mp 210°

pKa Value: pK_a -4.19

Aldrich: D11050-7

Fluka: 37613

>>Derivative: Di-Ac

CAS Registry Number: 6290-82-0

Molecular Formula: C₁₇H₁₄O₅

Molecular Weight: 298.295

Accurate Mass: 298.084125

Percentage Composition: C 68.45%; H 4.73%; O 26.82%

Physical Description: Needles (EtOH)

Melting Point: Mp 156°

>>Derivative: Di-Me ether

Synonym(s): 4,4'-Dimethoxybenzophenone

CAS Registry Number: 90-96-0

Molecular Formula: C₁₅H₁₄O₃

Molecular Weight: 242.274

Accurate Mass: 242.094295

Percentage Composition: C 74.36%; H 5.82%; O 19.81%

Physical Description: Needles (EtOH)

Melting Point: Mp 146°

Aldrich: 14198-4

Fluka: 38690

Rare Chemicals Library: S10985-1

References:

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Unger, F., *Annalen*, 1933, **504**, 285, (*synth*)
Neely, W.C. *et al.*, *Anal. Chim. Acta*, 1961, **24**, 575, (*ir*)
Michnowicz, J. *et al.*, *Org. Mass Spectrom.*, Suppl., 1970, **4**, 481, (*ms*)
Stocklinski, A.W. *et al.*, *J. Chromatogr.*, 1979, **170**, 495, (*tlc*)
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