



CAS Registry Number: 19617-84-6
Molecular Formula: C₂₀H₁₅NO₂
Molecular Weight: 301.344
Accurate Mass: 301.110279
Percentage Composition: C 79.72%; H 5.02%; N 4.65%; O 10.62%
Physical Description: Leaflets (EtOH)
Melting Point: Mp 152°

>>Derivative: *N*-Me
Synonym(s): 4-(Methylamino)benzophenone

CAS Registry Number: 26178-74-5
Molecular Formula: C₁₄H₁₃NO
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Physical Description: Yellow cryst. (petrol)
Melting Point: Mp 111° (82°)

>>Derivative: *N,N*-Di-Me
Synonym(s): 4-(Dimethylamino)benzophenone

CAS Registry Number: 530-44-9
Molecular Formula: C₁₅H₁₅NO
Molecular Weight: 225.29
Accurate Mass: 225.115364
Percentage Composition: C 79.97%; H 6.71%; N 6.22%; O 7.10%
Physical Description: Leaflets (EtOH)
Melting Point: Mp 92-93°
Aldrich: 14934-9

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 900B, (*nmr*)
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Aldrich Library of IR Spectra, 2nd Ed., 779D, (*ir*)
Aldrich Library of NMR Spectra, **6**, 57C, (*pmr*)
Sadtler Standard C-13 NMR Spectra, 8692, (*cmr*)
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Clark, L. *et al.*, *J.A.C.S.*, 1911, **33**, 1135, (*synth*)
Heller, R. *et al.*, *Org. Mass Spectrom.*, 1974, **9**, 1134, (*ms*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AIR250