



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

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

CAS Registry Number: 3988-03-2

Molecular Formula: C₁₃H₈Br₂O

Molecular Weight: 340.014

Accurate Mass: 337.934187

Percentage Composition: C 45.92%; H 2.37%; Br 47.00%; O 4.71%

Physical Description: Leaflets

Melting Point: Mp 177°

Boiling Point: Bp 395°

Aldrich: 16663-4

Fluka: 33995

>>Derivative: Oxime

Molecular Formula: C₁₃H₉Br₂NO

Molecular Weight: 355.028

Accurate Mass: 352.945086

Percentage Composition: C 43.98%; H 2.56%; Br 45.01%; N 3.95%; O 4.51%

Physical Description: Needles

Melting Point: Mp 150-152°

>>Derivative: Hydrazone

CAS Registry Number: 54008-12-7

Molecular Formula: C₁₃H₁₀Br₂N₂

Molecular Weight: 354.043

Accurate Mass: 351.96107

Percentage Composition: C 44.10%; H 2.85%; Br 45.14%; N 7.91%

Melting Point: Mp 92-94°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 891C, (*nmr*)

Biltz, H., *Ber.*, 1910, **43**, 2262, (*synth*)

Moriconi, E.J. *et al.*, *J.A.C.S.*, 1962, **84**, 3928, (*uv, ir*)

Morley, J.O., *Synthesis*, 1977, 54, (*synth*)