



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

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

CAS Registry Number: 611-98-3

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Use/Importance: Comonomer for polyamides and polyimides

Melting Point: Mp 244-245°

Aldrich: 37825-9

Fluka: 32782

>>Derivative: Hydrochloride (1:2)

Other Data: Sinters at 250°

>>Derivative: Phenylhydrazone

Melting Point: Mp 240-241°

>>Derivative: *N*-Tetra-Me

see 4,4'-Bis(dimethylamino)benzophenone, [FGZ99-V](#)

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 901C, (*nmr*)

Rivier, H. *et al.*, *Helv. Chim. Acta*, 1929, **12**, 865, (*synth*)

Ger. Pat., 1959, 1 102 172; *CA*, **56**, 5890, (*manuf*)

Tsekhanskii, R.S., *Zh. Prikl. Spektrosk.*, 1966, **5**, 316, (*uv*)

Belyakov, V.K. *et al.*, *Vysokomol. Soedin., Ser. B*, 1972, **14**, 900; *CA*, **78**, 98056f, (*polyamides*)

Andrianov, V.F. *et al.*, *Zh. Prikl. Spektrosk.*, 1975, **23**, 1074, (*ir*)

Young, P.R. *et al.*, *J. Chromatogr.*, 1976, **119**, 569, (*hplc*)

Bell, V.L. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1976, **14**, 2193, (*polyimides*)

Balyatinskaya, L.N. *et al.*, *Zh. Obshch. Khim.*, 1978, **48**, 870