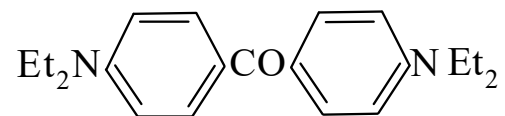




>>Entry Name: 4,4'-Bis(diethylamino)benzophenone, 8Cl

Synonym(s): Bis[4-(diethylamino)phenyl]methanone, 9Cl. Bis(4-diethylaminophenyl) ketone. 4,4'-Tetraethyldiaminobenzophenone



CAS Registry Number: 90-93-7

Molecular Formula: C<sub>21</sub>H<sub>28</sub>N<sub>2</sub>O

Molecular Weight: 324.465

Accurate Mass: 324.220163

Percentage Composition: C 77.74%; H 8.70%; N 8.63%; O 4.93%

Use/Importance: Photosensitiser; intermediate for triphenylmethane dyes. Photopolym. initiator

Physical Description: Leaflets (EtOH)

Melting Point: Mp 95-96°

Aldrich: 15827-5

Fluka: 14697

>>Derivative: Anil

Molecular Formula: C<sub>27</sub>H<sub>33</sub>N<sub>3</sub>

Molecular Weight: 399.578

Accurate Mass: 399.267447

Percentage Composition: C 81.16%; H 8.32%; N 10.52%

Melting Point: Mp 124-125°

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 902B, (*nmr*)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 70C, (*ir*)

Votošek, E. *et al.*, *Ber.*, 1913, **46**, 1760, (*synth*)

Bartle, K.D. *et al.*, *Org. Magn. Reson.*, 1975, **7**, 154, (*nmr*)

McGinniss, V.D. *et al.*, *Macromolecules*, 1978, **11**, 393; 405, (*photopolym initiator*)