



>>Entry Name: **Benzanilide**, 8Cl

Synonym(s): *N*-Phenylbenzamide, 9Cl. Benzoylaniline

CAS Registry Number: 93-98-1

PhCONHPh

Molecular Formula: C₁₃H₁₁NO

Molecular Weight: 197.236

Accurate Mass: 197.084064

Percentage Composition: C 79.17%; H 5.62%; N 7.10%; O 8.11%

Physical Description: Leaflets

Melting Point: Mp 163°

Boiling Point: Bp₁₀ 117-119°

Aldrich: 10822-7

Fluka: 12081

Supelco: 44-2470

>>Derivative: *N*-Chloro

CAS Registry Number: 5014-47-1

Molecular Formula: C₁₃H₁₀ClNO

Molecular Weight: 231.681

Accurate Mass: 231.045091

Percentage Composition: C 67.40%; H 4.35%; Cl 15.30%; N 6.05%; O 6.91%

Physical Description: Needles (petrol)

Melting Point: Mp 81.5-82°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1402B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 375C, (*ir*)

Sadtler Standard Infrared Spectra, 385, (*ir*)

Sadtler Standard NMR Spectra, 10099, (*pmr*)

Sadtler Standard Ultraviolet Spectra, 18277, (*uv*)

Beckmann, E., *Ber.*, 1887, **20**, 1508, (*synth*)

Goldberg, I., *Ber.*, 1906, **39**, 1692, (*synth*)

Goldsmith, D. *et al.*, *Tetrahedron, Suppl.*, No. 7, 1966, 145, (*ms*)

Yamazaki, N. *et al.*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 1235; 1239, (*synth*)