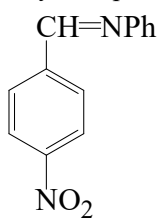




>>Entry Name: *N*-(4-Nitrobenzylidene)aniline

Synonym(s): *N*-[(4-Nitrophenyl)methylene]benzenamine, 9Cl. 4-Nitrobenzaldehyde *N*-phenylimine



CAS Registry Number: 785-80-8

Extra CAS Registry Numbers(s): 1614-00-2 40339-49-9

Molecular Formula: C₁₃H₁₀N₂O₂

Molecular Weight: 226.234

Accurate Mass: 226.074228

Percentage Composition: C 69.02%; H 4.46%; N 12.38%; O 14.14%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 93°

>>Derivative: Hydrochloride

Physical Description: Cryst.

Melting Point: Mp 190-193°

>>Derivative: *N*-Oxide

CAS Registry Number: 3585-90-8

Molecular Formula: C₁₃H₁₀N₂O₃

Molecular Weight: 242.234

Accurate Mass: 242.069143

Percentage Composition: C 64.46%; H 4.16%; N 11.56%; O 19.81%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 190°

References:

Grammaticakis, M.P., *Bull. Soc. Chim. Fr.*, 1951, 965-972, (*synth, oxide, ir*)

Buchanan, G.W. *et al.*, *Org. Magn. Reson.*, 1980, **13**, 293-298, (*synth, pmr, cmr, N-15 nmr*)

Axenrod, T. *et al.*, *Magn. Reson. Chem.*, 1985, **23**, 908-915; 1986, **24**, 274-275, (*synth, cmr, N-15 nmr*)

Afarinkia, K. *et al.*, *Tetrahedron*, 1990, **46**, 7175-7196, (*synth, ir, pmr, ms*)

Di Nunno, L. *et al.*, *Tetrahedron*, 1991, **47**, 4121-4132, (*synth, ir, pmr*)