



>>Entry Name: 4,4'-Dimethyldiphenylamine

Synonym(s): 4-Methyl-*N*-(4-methylphenyl)benzenamine, 9Cl. Di-*p*-tolylamine, 8Cl

CAS Registry Number: 620-93-9

Structure by analogy with 2,2'-Dimethyldiphenylamine, [FBP15-M](#)

Molecular Formula: C₁₄H₁₅N

Molecular Weight: 197.279

Accurate Mass: 197.120449

Percentage Composition: C 85.24%; H 7.66%; N 7.10%

Physical Description: Cryst. (petrol)

Melting Point: Mp 79°

Boiling Point: Bp 330.5°

Aldrich: 46108-3

References:

Wieland, H. *et al.*, *Ber.*, 1920, **53**, 223, (*synth*)

Tarco, R. *et al.*, *CA*, 1963, **58**, 3348, (*synth*)

Holland, R. *et al.*, *Tetrahedron*, 1966, **22**, 3345, (*synth, chromatog*)

Allendorfer, R.D. *et al.*, *J. Phys. Chem.*, 1968, **72**, 1217, (*nmr*)

Waters, L.W. *et al.*, *J.O.C.*, 1975, **40**, 3349, (*synth*)