



>>Entry Name: Pentylbenzene

Synonym(s): 1-Phenylpentane. *n*-Amylbenzene

CAS Registry Number: 538-68-1

Ph(CH₂)₄CH₃

Molecular Formula: C₁₁H₁₆

Molecular Weight: 148.247

Accurate Mass: 148.1252

Percentage Composition: C 89.12%; H 10.88%

Physical Description: Liq.

Melting Point: Mp -75°

Boiling Point: Bp 205°

Density: d₄¹⁶ 0.866

Aldrich: 11317-4

Fluka: 77078

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 3C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 933B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 851B, (*ir*)

Bryce-Smith, D. *et al.*, *J.C.S.*, 1950, 1975, (*synth*)

Adv. Chem. Ser., 1955, **15**, 47, (*props*)

Pines, H. *et al.*, *J.A.C.S.*, 1959, **81**, 3629, (*synth*)

Engewald, W. *et al.*, *Chromatographia*, 1978, **11**, 438, (*chromatog*)

Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 374