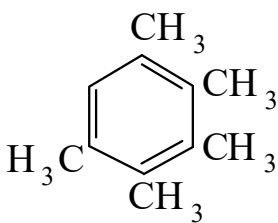




>>Entry Name: Pentamethylbenzene



CAS Registry Number: 700-12-9

Molecular Formula: C₁₁H₁₆

Molecular Weight: 148.247

Accurate Mass: 148.1252

Percentage Composition: C 89.12%; H 10.88%

Physical Description: Prisms (EtOH)

Melting Point: Mp 54°

Boiling Point: Bp 232°

Hazard & Toxicity: Fl. p. 93° (for 95%), autoignition temp. 427° (estimated)

Aldrich: 15361-3

Fluka: 76820

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 22A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 944C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 865D, (*ir*)

Org. Synth., Coll. Vol., 2, 1943, 248, (*synth*)

Shacklett, C.D. *et al.*, *J.A.C.S.*, 1951, **73**, 766, (*synth*)

Adv. Chem. Ser., 1955, **15**, 97, (*props*)

Hopff, H. *et al.*, *Helv. Chim. Acta*, 1960, **43**, 1473, (*synth*)

Dalling, D.K. *et al.*, *J.A.C.S.*, 1977, **99**, 7142, (*cmr*)