



>>Entry Name: Decylbenzene, 9CI

Synonym(s): 1-Phenyldecane, 8CI

CAS Registry Number: 104-72-3

Ph(CH₂)₉CH₃

Molecular Formula: C₁₆H₂₆

Molecular Weight: 218.381

Accurate Mass: 218.20345

Percentage Composition: C 88.00%; H 12.00%

Physical Description: Liq.

Boiling Point: Bp 300° (293-294°). Bp 255-280°. Bp₁ 112°

Hazard & Toxicity: Fl. p. 107°

Aldrich: 11321-2

Fluka: 78368

Supelco: 44-2275

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 6A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 934C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 853A, (*ir*)

Adv. Chem. Ser., 1955, **15**, 105, (*props*)

Bentley, F.F. *et al.*, *Spectrochim. Acta*, 1959, 165, (*ir*)

Gray, F.W. *et al.*, *J.O.C.*, 1961, **26**, 209, (*synth*)

Lightner, D.A. *et al.*, *Appl. Spectrosc.*, 1971, **25**, 253, (*ms*)

Wilkowski, Z. *et al.*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1974, **71**, 487, (*cmr*)

Sadykhov, K.I. *et al.*, *CA*, 1981, **95**, 80369b, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 531