



>>Entry Name: **Dodecylbenzene**

Synonym(s): 1-Phenyldodecane. Laurylbenzene. Nalkylene 500

CAS Registry Number: 123-01-3

$\text{Ph}(\text{CH}_2)_{11}\text{CH}_3$

Molecular Formula: $\text{C}_{18}\text{H}_{30}$

Molecular Weight: 246.435

Accurate Mass: 246.23475

Percentage Composition: C 87.73%; H 12.27%

Melting Point: Mp -7°

Boiling Point: Bp₁₃ 179-180°. Bp₂ 138°

Other Data: Bp also given as 175-176°/4 mm

Aldrich: 11323-9

Fluka: 44180

References:

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

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

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

Adv. Chem. Ser., 1955, **15**, 107, (*props*)

Sharman, S.H. *et al.*, *J.A.C.S.*, 1962, **84**, 2945, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, PEW500