



>>Entry Name: **1,3-Dimethyl-4-nitrobenzene**, 9CI

Synonym(s): 4-Nitro-*m*-xylene, 8CI

CAS Registry Number: 89-87-2

Structure by analogy with 1,2-Dimethyl-3-nitrobenzene, [DVK05-Y](#)

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Melting Point: Mp 2°

Boiling Point: Bp 237-239°. Bp₂₂ 132°

Density: d¹³ 1.14

Aldrich: 17101-8

Fluka: 40880

Rare Chemicals Library: S45672-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 715C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1349D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1198B, (*ir*)

Harmsen, W., *Ber.*, 1880, **13**, 1558

Grevink, E., *Ber.*, 1884, **17**, 2422

Kinugasa, T. *et al.*, *Nippon Kagaku Zasshi*, 1962, **83**, 333

Nomura, Y. *et al.*, *Org. Magn. Reson.*, 1969, **1**, 213, (*nmr*)