



>>Entry Name: 3-Nitrobenzyl alcohol

Synonym(s): 3-Nitrobenzenemethanol, 9Cl. 1-Hydroxymethyl-3-nitrobenzene. α -Hydroxy-3-nitrotoluene

CAS Registry Number: 619-25-0

Molecular Formula: $C_7H_7NO_3$

Molecular Weight: 153.137

Accurate Mass: 153.042594

Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%

Physical Description: Needles (H_2O)

Melting Point: Mp 27°

Boiling Point: Bp_{0.05} 120-125°

Hazard & Toxicity: Fl. p. >104°

Aldrich: 14605-6

Fluka: 73148

>>Derivative: O-Benzoyl

CAS Registry Number: 38612-16-7

Molecular Formula: $C_{14}H_{11}NO_4$

Molecular Weight: 257.245

Accurate Mass: 257.068809

Percentage Composition: C 65.37%; H 4.31%; N 5.44%; O 24.88%

Melting Point: Mp 71-72°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1336D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1188D, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 1137A, (*nmr*)

Thorp, J. *et al.*, *J.A.C.S.*, 1915, **37**, 373, (*synth*)

Teichmann, B., *J. Prakt. Chem.*, 1974, **316**, 821, (*synth*)