



>>Entry Name: 1-Nonadecanol

Synonym(s): Nonadecyl alcohol

CAS Registry Number: 1454-84-8

$\text{H}_3\text{C}(\text{CH}_2)_{17}\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{19}\text{H}_{40}\text{O}$

Molecular Weight: 284.524

Accurate Mass: 284.307915

Percentage Composition: C 80.21%; H 14.17%; O 5.62%

Melting Point: Mp 62-63°

Boiling Point: Bp_{0.32} 166-167°. Bp_{0.2} 179-184°

Aldrich: 28684-2

Fluka: 74167

Sigma: N0754

>>Derivative: Formyl

Molecular Formula: $\text{C}_{20}\text{H}_{40}\text{O}_2$

Molecular Weight: 312.535

Accurate Mass: 312.30283

Percentage Composition: C 76.86%; H 12.90%; O 10.24%

Melting Point: Mp 66.9°

>>Derivative: 4-Nitrobenzoyl

Melting Point: Mp 58.9°

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 160A, (*ir*)

Levene, P.A. *et al.*, *J. Biol. Chem.*, 1924, **59**, 905, (*synth*)

Shiina, S., *Chem. Zentralbl.*, 1936, **1**, 755, (*synth*)

Baarschers, W.H. *et al.*, *Chem. Scr.*, 1974, **5**, 233, (*isol*)

Mace, A.W., *J. Pharm. Pharmacol.*, 1975, **27**, 209, (*glc*)