



>>Entry Name: 4-Decanol, 9CI

CAS Registry Number: 2051-31-2

Related CAS Registry Numbers(s): 120523-18-4 138256-82-3

Extra CAS Registry Numbers(s): 36729-58-5

H3C(CH2)5CH(OH)CH2CH2CH3

Molecular Formula: C<sub>10</sub>H<sub>22</sub>O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Aldrich: 11833-8

>>Variant: (±)-form

CAS Registry Number: 74683-68-4

Molecular Formula: C<sub>10</sub>H<sub>22</sub>O

Molecular Weight: 158.283

Accurate Mass: 158.167065

Percentage Composition: C 75.88%; H 14.01%; O 10.11%

Melting Point: Mp -11.6°

Boiling Point: Bp<sub>12</sub> 101°

Other Data: Opt. active forms are also known

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 42.3-43.5° (24°)

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 182C, (*nmr*)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 121D, (*ir*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 171B, (*ir*)

Levene, P.A. *et al.*, *J.O.C.*, 1936, **1**, 76, (*abs config*)

Heilbron, I.M. *et al.*, *J.C.S.*, 1943, 265, (*synth*)

Asinger, F. *et al.*, *Chem. Ber.*, 1959, **92**, 3085, (*synth*)

Godsey, C.E., *Anal. Chem.*, 1966, **38**, 842, (*pmr*)

v. Tamelen, E.E. *et al.*, *J.A.C.S.*, 1974, **96**, 5290, (*synth*)