



>>Entry Name: 2,2-Dimethylhexane, 9CI

CAS Registry Number: 590-73-8

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

Molecular Formula: C_8H_{18}

Molecular Weight: 114.23

Accurate Mass: 114.14085

Percentage Composition: C 84.12%; H 15.88%

Melting Point: Fp -121°

Boiling Point: Bp $106-107^\circ$

Density: d_4^{20} 0.697

Refractive Index: n_D^{20} 1.3931

Aldrich: 11145-7

Fluka: 40490

Rare Chemicals Library: S42889-2

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 14C, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 14C, (*ir*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 8H, (*ir*)

Liberman, A.L. *et al.*, *CA*, 1944, **38**, 5198, (*synth*)

Kolyaskina, Z.N. *et al.*, *CA*, 1963, **58**, 1335, (*synth*)

Pines, H. *et al.*, *J.O.C.*, 1965, **30**, 3540, (*synth*)

Posner, G.H. *et al.*, *J.O.C.*, 1973, **38**, 2747, (*synth*)

Beierbeck, H. *et al.*, *Can. J. Chem.*, 1977, **55**, 771, (*conformn, cmr*)