



>>Entry Name: 1-Decene, 9CI

Synonym(s): Gulftene 10. Dialene 10

CAS Registry Number: 872-05-9

Extra CAS Registry Numbers(s): 25339-53-1

$\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}_2$

Molecular Formula: $\text{C}_{10}\text{H}_{20}$

Molecular Weight: 140.268

Accurate Mass: 140.1565

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

Melting Point: Fp -66.6°

Boiling Point: Bp 170.6° . Bp₃ 53.5°

Density: d^{20}_4 0.742

Refractive Index: n^{20}_D 1.4217

Hazard & Toxicity: Flammable, fl. p. 48° , autoignition temp. 235°

Aldrich: D180-7

Fluka: 30652

Sigma: D3161

Supelco: 44-2262

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 19B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 14C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 19C, (*ir*)

Vaughn, T.M., *J.A.C.S.*, 1934, **56**, 2064, (*synth*)

Maman, A., *CA*, 1936, **30**, 7095, (*synth*)

Holman, R.T. *et al.*, *Anal. Chem.*, 1956, **28**, 1533, (*ir*)

McMurry, J.E. *et al.*, *J.O.C.*, 1975, **40**, 2555, (*synth*)

Reetz, M.T. *et al.*, *Synthesis*, 1977, 135, (*synth*)

Sonnet, P.E. *et al.*, *J.O.C.*, 1978, **43**, 1841, (*synth*)

Miller, J.A. *et al.*, *J.O.C.*, 1993, **58**, 18, (*synth*)