



>>Entry Name: **1,9-Decadiyne**, 9CI

CAS Registry Number: 1720-38-3

$\text{HC}\equiv\text{C}(\text{CH}_2)_6\text{C}\equiv\text{CH}$

Molecular Formula: $\text{C}_{10}\text{H}_{14}$

Molecular Weight: 134.221

Accurate Mass: 134.10955

Percentage Composition: C 89.49%; H 10.51%

Use/Importance: Used in synth. of long-chain fatty acids

Physical Description: Liq. with unpleasant odour

Boiling Point: Bp_{640} 183°. Bp_{14} 71°

Density: d_4^{26} 0.815

Refractive Index: n_D^{24} 1.4488 n_D^{20} 1.4532

References:

Everett, J.L. *et al.*, *J.C.S.*, 1950, 3131, (*synth*)

Mannion, J.J. *et al.*, *Spectrochim. Acta*, 1961, **17**, 990, (*ir*)

Kraevskii, A.A. *et al.*, *Zh. Obshch. Khim.*, 1962, **32**, 742, (*synth*)

Normant, J.F. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 859, (*synth*)

Emptoz, G. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 2653, (*synth, ir, pmr, chromatog*)

Smith, W.N. *et al.*, *Synthesis*, 1974, 441, (*synth*)

Anderset, P.C. *et al.*, *Synth. Commun.*, 1983, **13**, 881, (*cmr*)