



>>Entry Name: 1-Nonyne, 9Cl, 8Cl

Synonym(s): Heptylacetylene

CAS Registry Number: 3452-09-3

$\text{H}_3\text{C}(\text{CH}_2)_6\text{C}\equiv\text{CH}$

Molecular Formula: C_9H_{16}

Molecular Weight: 124.225

Accurate Mass: 124.1252

Percentage Composition: C 87.02%; H 12.98%

Physical Description: Pleasant-smelling liq.

Melting Point: Fp -65° (-50°)

Boiling Point: Bp $149-151^\circ$. Bp₁₂ $42-43^\circ$

Solubility: Sol. most org. solvs., insol. H_2O

Aldrich: 25387-1

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 503C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 932C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1581D, (*ir*)

Morris, S.G., *J. Am. Oil Chem. Soc.*, 1971, **48**, 376, (*synth*)

Woodgate, P.D. *et al.*, *J.A.C.S.*, 1972, **94**, 3115, (*ms*)

Corey, E.J. *et al.*, *Tet. Lett.*, 1972, 3769, (*synth*)

Brown, C.A., *J.O.C.*, 1978, **43**, 3083, (*synth*)

Sato, F., *Chem. Lett.*, 1978, 789, (*synth*)