



>>Entry Name: 1,8-Nonadiyne, 9CI

CAS Registry Number: 2396-65-8

HC#C(CH2)5C#CH

Molecular Formula: C₉H₁₂

Molecular Weight: 120.194

Accurate Mass: 120.0939

Percentage Composition: C 89.94%; H 10.06%

Physical Description: Liq.

Melting Point: Fp -27.3° (-21°)

Boiling Point: Bp 162°. Bp₂₉ 68-69.5°

Other Data: Forms polymers with other alkynes.

Aldrich: 16130-6

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 506A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 933D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1583A, (*ir*)

Henne, A.L. *et al.*, *J.A.C.S.*, 1945, **67**, 484, (*synth*)

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

Zinkevich, E.P. *et al.*, *Zh. Org. Khim.*, 1965, **1**, 1591, (*synth*)

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

Traeger, J.C. *et al.*, *Int. J. Mass Spectrom. Ion Phys.*, 1978, **27**, 319, (*ms*)

Lewandos, G.S., *Tet. Lett.*, 1978, 2279, (*cmr*)