



>>Entry Name: 4-Octyne, 9CI
Synonym(s): Dipropylacetylene

CAS Registry Number: 1942-45-6
H3CCH2CH2C#CCH2CH2CH3

Molecular Formula: C₈H₁₄
Molecular Weight: 110.199
Accurate Mass: 110.10955
Percentage Composition: C 87.20%; H 12.80%
Melting Point: Fp -102.5°
Boiling Point: Bp 131.57°
Density: d₄²⁰ 0.751
Refractive Index: n_D²⁰ 1.4248

Aldrich: 24447-3
Fluka: 74974

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 503B, (*nmr*)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 932B, (*ir*)
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Jacobs, T.L., *Org. React. (N.Y.)*, 1949, **5**, 60, (*synth, bibl*)
Crandall, J.K. *et al.*, *Tet. Lett.*, 1969, 1653, (*synth*)
Dorman, D.E. *et al.*, *J.O.C.*, 1973, **38**, 1026, (*cmr*)
Tsuji, J. *et al.*, *Tet. Lett.*, 1973, 4573, (*synth*)
Bauer, D.P. *et al.*, *J.O.C.*, 1976, **41**, 2640, (*synth*)
Tarchini, C. *et al.*, *Helv. Chim. Acta*, 1979, **62**, 635, (*synth*)