



>>Entry Name: 2-Heptyn-1-ol, 9CI, 8CI

CAS Registry Number: 1002-36-4

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

Molecular Formula: $\text{C}_7\text{H}_{12}\text{O}$

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Boiling Point: Bp_{56} 113-116°

Refractive Index: n_{D}^{20} 1.4526

Hazard & Toxicity: Distillation residue may explode

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 62°

References:

Newman, M.S. *et al.*, *J.A.C.S.*, 1949, **71**, 1292, (*synth*)

Bus, J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1972, **91**, 229, (*ir*)

Kanakam, C.C. *et al.*, *J.C.S. Perkin 1*, 1989, 1907, (*synth, ir, pmr*)

Nowotny, S. *et al.*, *J.O.C.*, 1995, **60**, 2762, (*synth, pmr*)

Zwierzack, A. *et al.*, *Synth. Commun.*, 1996, **26**, 3593, (*synth, ir, pmr*)

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 2569

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