



>>Entry Name: 4-Methyl-1-pentyne, 9CI

Synonym(s): Isobutylacetylene

CAS Registry Number: 7154-75-8

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

Molecular Formula: C_6H_{10}

Molecular Weight: 82.145

Accurate Mass: 82.07825

Percentage Composition: C 87.73%; H 12.27%

Melting Point: Mp -105.3°

Boiling Point: Bp 61.3°

Density: d_{20} 0.705

Refractive Index: n_D^{20} 1.3932

References:

v. Riesegehem, H., *Bull. Soc. Chim. Belg.*, 1933, **42**, 229, (*synth*)

Pomerantz, P. *et al.*, *J. Res. Natl. Bur. Stand. (U.S.)*, 1954, **52**, 51; *CA*, **49**, 8083h, (*synth, props*)

Schchelkunov, A.V. *et al.*, *Dokl. Akad. Nauk SSSR*, 1979, **245**, 380, (*synth*)