



>>Entry Name: 5-Decyne, 9CI

Synonym(s): Dibutylacetylene

CAS Registry Number: 1942-46-7

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

Molecular Formula: $\text{C}_{10}\text{H}_{18}$

Molecular Weight: 138.252

Accurate Mass: 138.14085

Percentage Composition: C 86.88%; H 13.12%

Physical Description: Liq.

Boiling Point: Bp 177°. Bp₄₈ 94-95°

Density: d_4^{20} 0.769

Refractive Index: n_D^{20} 1.4331

Rare Chemicals Library: S50919-1

References:

Seifert, M., *Monatsh. Chem.*, 1948, **79**, 198

Yamada, K. *et al.*, *Tet. Lett.*, 1975, 1961, (*synth*)

Tanaka, K. *et al.*, *Tet. Lett.*, 1978, 3103, (*synth*)