



>>Entry Name: Nonylbenzene, 9CI

Synonym(s): 1-Phenylnonane, 8CI

CAS Registry Number: 1081-77-2

Related CAS Registry Numbers(s): 79554-39-5

$\text{Ph}(\text{CH}_2)_8\text{CH}_3$

Molecular Formula: $\text{C}_{15}\text{H}_{24}$

Molecular Weight: 204.355

Accurate Mass: 204.1878

Percentage Composition: C 88.16%; H 11.84%

Physical Description: Liq.

Melting Point: Fp -24°

Boiling Point: Bp 282° . Bp₁₄ 146° . Bp₁ $98-100^\circ$

Density: d 0.86

Refractive Index: n_D^{20} 1.4830

Aldrich: 33106-6

Fluka: 74410

References:

Zieglen, K. *et al.*, *Annalen*, 1934, **511**, 13, (*synth*)

Weygand, C. *et al.*, *Ber.*, 1935, **68**, 1825, (*synth*)

Morton, A.A. *et al.*, *J.A.C.S.*, 1942, **64**, 2239, (*synth*)

Adv. Chem. Ser., 1955, **15**, 104, (*props*)

Minisci, F. *et al.*, *Tetrahedron*, 1972, **28**, 2415, (*ms*)

Castle, P.L. *et al.*, *Tet. Lett.*, 1986, **27**, 6013, (*synth*)

Cahiez, G. *et al.*, *Synlett*, 1993, 45, (*synth*)