



>>Entry Name: 1-Phenyltetradecane

Synonym(s): Tetradecylbenzene, 9CI

CAS Registry Number: 1459-10-5

Ph(CH₂)₁₃CH₃

Molecular Formula: C₂₀H₃₄

Molecular Weight: 274.489

Accurate Mass: 274.26605

Percentage Composition: C 87.52%; H 12.48%

Physical Description: Liq.

Melting Point: Mp 8.7°

Boiling Point: Bp 359°. Bp₈ 200-202°. Bp_{0.5} 153°

Density: d₄²⁰ 0.85

Refractive Index: n_D²⁰ 1.4815

Fluka: 87205

Rare Chemicals Library: S35475-9

Sigma: T6403

References:

Schmidt, A.W. *et al.*, *Ber.*, 1939, **72**, 1893, (*synth*)

Gilman, H. *et al.*, *J.O.C.*, 1943, **8**, 126, (*synth*)

Asinger, F. *et al.*, *J. Prakt. Chem.*, 1963, **22**, 153, (*synth*)