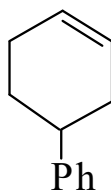




>>Entry Name: 4-Phenylcyclohexene

Synonym(s): 3-Cyclohexen-1-ylbenzene, 9Cl. 1,2,5,6-Tetrahydrobiphenyl



CAS Registry Number: 4994-16-5

Molecular Formula: C₁₂H₁₄

Molecular Weight: 158.243

Accurate Mass: 158.10955

Percentage Composition: C 91.08%; H 8.92%

>>Variant: (±)-form

Molecular Formula: C₁₂H₁₄

Molecular Weight: 158.243

Accurate Mass: 158.10955

Percentage Composition: C 91.08%; H 8.92%

Use/Importance: Indoor air pollutant present in carpets etc.

Boiling Point: Bp 235°. Bp₁₆ 88-90°

Hazard & Toxicity: Claimed sensitiser

References:

Price, C.C. *et al.*, *J.A.C.S.*, 1940, **62**, 2243, (*synth*)

Dunkelblum, E. *et al.*, *Tetrahedron*, 1972, **28**, 1009-1024, (*synth, ir, pmr*)

Kaltofen, M., *Chem. Eng. News*, Sept. 24, 1990, 3, (*tox*)

Demel, R. *et al.*, *Acta Chem. Scand.*, 1999, **53**, 1038-1042, (*synth, pmr*)