



>>Entry Name: 2-Phenyl-2-propen-1-ol

Synonym(s): 2-Phenylallyl alcohol

CAS Registry Number: 6006-81-1

$\text{H}_2\text{C}=\text{CPhCH}_2\text{OH}$

Molecular Formula: $\text{C}_9\text{H}_{10}\text{O}$

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Physical Description: Liq.

Boiling Point: Bp_{11} 116-118°. $\text{Bp}_{0.25}$ 77-79°

Density: d_4^{20} 1.05

>>Derivative: Ac

Molecular Formula: $\text{C}_{11}\text{H}_{12}\text{O}_2$

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Boiling Point: Bp_5 112-113°

Density: d_4^{20} 1.06

References:

Hatch, L.F. *et al.*, *J.A.C.S.*, 1954, **76**, 2705, (*synth*)

Gassman, P.G. *et al.*, *J.O.C.*, 1984, **49**, 2258, (*synth*)

Barluenga, J. *et al.*, *J.C.S. Perkin 1*, 1989, 77, (*synth, ir, pmr, ms, cmr*)

Newman-Evans, R. *et al.*, *J.O.C.*, 1990, **55**, 695, (*synth, pmr*)

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Organ, M.G. *et al.*, *J.O.C.*, 1997, **62**, 1523-1526, (*synth, pmr, cmr, ir*)

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