



>>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:  $\text{Bp}_{11}$  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:  $\text{Bp}_5$  112-113°

Density:  $d_4^{20}$  1.06

#### References:

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

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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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