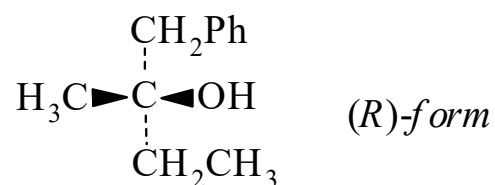




>>Entry Name: 2-Methyl-1-phenyl-2-butanol

Synonym(s): α -Ethyl- α -methylbenzeneethanol, 9CI. α -Ethyl- α -methylphenethyl alcohol, 8CI. Benzylethylmethylcarbinol



CAS Registry Number: 772-46-3

Molecular Formula: $C_{11}H_{16}O$

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

>>Variant: (R)-form

CAS Registry Number: 55016-95-0

Molecular Formula: $C_{11}H_{16}O$

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Optical Rotation: $[\alpha]_D^{31} -4.8$ (neat)

>>Variant: ($\pm$)-form

Molecular Formula: $C_{11}H_{16}O$

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Boiling Point: Bp 235-238° sl. dec.. Bp₁₄ 110-112°

>>Derivative: Phenylurethane

Melting Point: Mp 83.5-84°

References:

Warrick, P. *et al.*, *J.A.C.S.*, 1962, **84**, 4095, (*synth*)

Gerike, P., *Naturwissenschaften*, 1975, **62**, 38

Kirmse, W. *et al.*, *Chem. Ber.*, 1975, **108**, 71; 1839, (*synth, abs config*)

Klein, J. *et al.*, *Tetrahedron*, 1976, **32**, 1839, (*synth*)