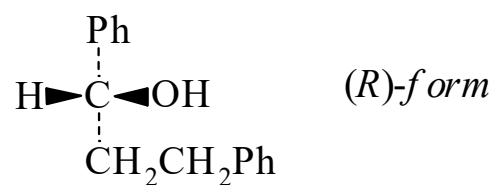




>>Entry Name: 1,3-Diphenyl-1-propanol, 8Cl

Synonym(s): α -Phenylbenzenepropanol, 9Cl



CAS Registry Number: 14097-24-6

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

>>Variant: (R)-form

CAS Registry Number: 68889-69-0

Type of Compound Code(s): VG7000 VG0060

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Biological Source: Constit. of *Flindersia brassii*

Physical Description: Fine needles (petrol)

Melting Point: Mp 48-49°

Optical Rotation: $[\alpha]_{\text{D}} +26$ (c, 0.7 in CH₂Cl₂)

>>Variant: (S)-form

CAS Registry Number: 64439-32-3

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Physical Description: Cryst. (hexane)

Melting Point: Mp 49-50° (42°)

Optical Rotation: $[\alpha]_{\text{D}}^{23} -14.8$ (c, 0.5 in MeOH) (>99% ee)

>>Variant: (±)-form

CAS Registry Number: 68889-70-3

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Boiling Point: Bp₁₂ 192-194°

>>Derivative: Phenylurethane

CAS Registry Number: 19120-36-6

Melting Point: Mp 83°

References:

Dieckmann, W. *et al.*, *Ber.*, 1906, **39**, 3040, (*synth*)

Bushby, R.J. *et al.*, *J.C.S. Perkin 2*, 1976, 1683, (*synth, nmr*)

Belzecki, C. *et al.*, *J.O.C.*, 1979, **44**, 1212, (*resoln, ir, nmr*)

Hambley, T.W. *et al.*, *Aust. J. Chem.*, 1990, **43**, 1327-1334, (*isol, ir, pmr, ms*)

Holt, D.A. *et al.*, *J.A.C.S.*, 1993, **115**, 9925, (*synth, pmr, cmr, ir*)