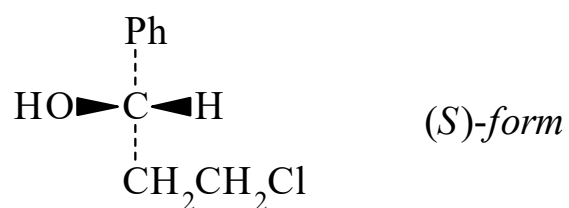




>>Entry Name: 3-Chloro-1-phenyl-1-propanol

Synonym(s): α -(2-Chloroethyl)benzenemethanol, 9Cl. 2-Chloroethylphenylmethanol



CAS Registry Number: 18776-12-0

Related CAS Registry Numbers(s): 100306-33-0

Molecular Formula: C₉H₁₁ClO

Molecular Weight: 170.638

Accurate Mass: 170.049842

Percentage Composition: C 63.35%; H 6.50%; Cl 20.78%; O 9.38%

>>Variant: (S)-form

CAS Registry Number: 100306-34-1

Molecular Formula: C₉H₁₁ClO

Molecular Weight: 170.638

Accurate Mass: 170.049842

Percentage Composition: C 63.35%; H 6.50%; Cl 20.78%; O 9.38%

Optical Rotation: $[\alpha]_{\text{D}}^{19} -24.7$ (c, 1 in CHCl₃)

Aldrich: 32461-2

>>Variant: (±)-form

Molecular Formula: C₉H₁₁ClO

Molecular Weight: 170.638

Accurate Mass: 170.049842

Percentage Composition: C 63.35%; H 6.50%; Cl 20.78%; O 9.38%

Physical Description: Liq.

Boiling Point: Bp₈ 130-132°. Bp_{0.1} 90-93°

>>Derivative: 4-Nitrobenzoyl

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 62-63°

References:

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Wirth, D.D. *et al.*, Org. Process Res. Dev., 2000, **4**, 513-519, (synth, pmr, cmr)