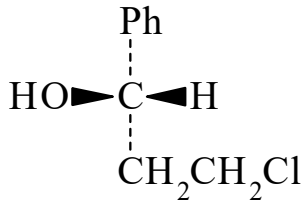
>>**Entry Name: 3-Chloro-1-phenyl-1-propanol**
Synonym(s): α-(2-Chloroethyl)benzenemethanol, 9Cl. 2-Chloroethylphenylmethanol



(*S*)-*form*

CAS Registry Number: 18776-12-0
Related CAS Registry Numbers(s): 100306-33-0

Molecular Formula: $C_9H_{11}ClO$
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: $C_9H_{11}ClO$
Molecular Weight: 170.638
Accurate Mass: 170.049842
Percentage Composition: C 63.35%; H 6.50%; Cl 20.78%; O 9.38%
Optical Rotation: $[\alpha]_D^{19}$ –24.7 (c, 1 in $CHCl_3$)
Aldrich: 32461-2

>>**Variant:** (±)-form

Molecular Formula: $C_9H_{11}ClO$
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: Bp_8 130-132°. $Bp_{0.1}$ 90-93°

>>**Derivative:** 4-Nitrobenzoyl

Physical Description: Cryst. (C_6H_6/petrol)
Melting Point: Mp 62-63°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 332A, *(nmr)*
Case, F.H., *J.A.C.S.*, 1933, **55**, 2927, *(synth)*
Soai, K. *et al.*, *Chem. Comm.*, 1986, 1018, *(synth, abs config)*
Robertson, D.W. *et al.*, *J. Med. Chem.*, 1988, **31**, 1412, *(synth)*
Wirth, D.D. *et al.*, *Org. Process Res. Dev.*, 2000, **4**, 513-519, *(synth, pmr, cmr)*