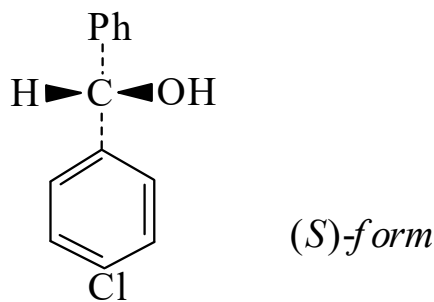




>>Entry Name: (4-Chlorophenyl)phenylmethanol

Synonym(s): 4-Chloro- α -phenylbenzenemethanol, 9Cl. 4-Chlorodiphenylmethanol. *p*-Chlorobenzhydrol



CAS Registry Number: 119-56-2

Molecular Formula: C₁₃H₁₁ClO

Molecular Weight: 218.682

Accurate Mass: 218.049842

Percentage Composition: C 71.40%; H 5.07%; Cl 16.21%; O 7.32%

Aldrich: 12498-2

>>Variant: (*S*)-form

CAS Registry Number: 101402-04-4

Molecular Formula: C₁₃H₁₁ClO

Molecular Weight: 218.682

Accurate Mass: 218.049842

Percentage Composition: C 71.40%; H 5.07%; Cl 16.21%; O 7.32%

Physical Description: Needles (hexane)

Melting Point: Mp 60-61°

Optical Rotation: $[\alpha]_D^{20} +22$ (c, 0.9 in CHCl₃)

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

Molecular Formula: C₁₃H₁₁ClO

Molecular Weight: 218.682

Accurate Mass: 218.049842

Percentage Composition: C 71.40%; H 5.07%; Cl 16.21%; O 7.32%

Physical Description: Cryst.

Melting Point: Mp 59-61°

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 371B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1146C, (*ir*)

Bachmann, W.E. *et al.*, *J.O.C.*, 1948, **13**, 916, (*synth*)

Green, G.H. *et al.*, *J.C.S.*, 1950, 751, (*synth, resoln*)

Hügel, H.M. *et al.*, *Aust. J. Chem.*, 1979, **32**, 1511, (*cmr*)

Wu, B. *et al.*, *J.O.C.*, 1986, **51**, 1904, (*synth, abs config*)