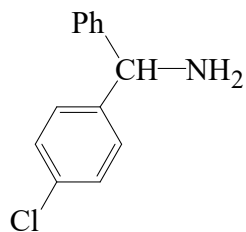




>>Entry Name: (4-Chlorophenyl)phenylmethanamine

Synonym(s): 4-Chloro- α -phenylbenzenemethanamine. 4-Chlorobenzhydramine



Molecular Formula: C₁₃H₁₂ClN

Molecular Weight: 217.697

Accurate Mass: 217.065826

Percentage Composition: C 71.72%; H 5.56%; Cl 16.29%; N 6.43%

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

Molecular Formula: C₁₃H₁₂ClN

Molecular Weight: 217.697

Accurate Mass: 217.065826

Percentage Composition: C 71.72%; H 5.56%; Cl 16.29%; N 6.43%

Boiling Point: Bp_{14.5} 193°

>>Derivative: Hydrochloride

CAS Registry Number: 5267-39-0

Physical Description: Needles (EtOH)

Melting Point: Mp 300-305° (dec.)

Aldrich: C2445-0

>>Derivative: *N*-Ac

Molecular Formula: C₁₅H₁₄ClNO

Molecular Weight: 259.734

Accurate Mass: 259.076391

Percentage Composition: C 69.37%; H 5.43%; Cl 13.65%; N 5.39%; O 6.16%

Physical Description: Needles (EtOH)

Melting Point: Mp 130-131°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₂₀H₁₆ClNO

Molecular Weight: 321.805

Accurate Mass: 321.092041

Percentage Composition: C 74.65%; H 5.01%; Cl 11.02%; N 4.35%; O 4.97%

Physical Description: Cryst.

Melting Point: Mp 163.5-164°

References:

Valeth, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1930, **47**, 289, (*synth*)

Ingold, C.K. *et al.*, *J.C.S.*, 1933, 1493, (*synth*)

Najor, H. *et al.*, *Bull. Soc. Chim. Fr.*, 1959, 352, (*synth*)