



>>Entry Name: 1-(4-Chlorophenyl)piperazine

CAS Registry Number: 38212-33-8

Structure by analogy with 1-(2-Chlorophenyl)piperazine, [NXV51-G](#)

Molecular Formula: C₁₀H₁₃ClN₂

Molecular Weight: 196.679

Accurate Mass: 196.076725

Percentage Composition: C 61.07%; H 6.66%; Cl 18.03%; N 14.24%

Melting Point: Mp 71.5-73.5°

Boiling Point: Bp₅ 155.7-157.2°

Density: d₂₀ 1.19

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 38869-46-4

Physical Description: Cryst. (MeOH)

Melting Point: Mp 275-278 dec.°

Aldrich: C6800-8

References:

Pollard, C.B. *et al.*, *J.A.C.S.*, 1954, **76**, 1853, (*synth*)

Thunus, L. *et al.*, *Ann. Pharm. Fr.*, 1980, **38**, 353, (*synth, deriv*)