



>>Entry Name: 1,4-Diamino-2,5-dichlorobenzene

Synonym(s): 2,5-Dichloro-1,4-benzenediamine, 9Cl. 2,5-Dichloro-*p*-phenylenediamine

CAS Registry Number: 20103-09-7

Molecular Formula: C₆H₆Cl₂N₂

Molecular Weight: 177.032

Accurate Mass: 175.990802

Percentage Composition: C 40.71%; H 3.42%; Cl 40.05%; N 15.82%

Physical Description: Prisms (H₂O)

Melting Point: Mp 170°

Hazard & Toxicity: LD₅₀ (rat, orl) 1750 mg/kg

Aldrich: 21149-4

Fluka: 36216

>>Derivative: 1,4-*N*-Di-Ac

Molecular Formula: C₁₀H₁₀Cl₂N₂O₂

Molecular Weight: 261.107

Accurate Mass: 260.011932

Percentage Composition: C 46.00%; H 3.86%; Cl 27.16%; N 10.73%; O 12.26%

Melting Point: Mp 294-296°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 547C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1245A, (*ir*)

Noelting, E. *et al.*, *Ber.*, 1905, **38**, 3506, (*synth*)