



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

Synonym(s): 4,6-Dichloro-1,3-benzenediamine, 9Cl. 4,6-Dichloro-*m*-phenylenediamine

CAS Registry Number: 20248-64-0

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: Needles (EtOH aq.), prisms (C₆H₆)

Melting Point: Mp 138-139°

>>Derivative: 1,5-*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 260°

>>Derivative: 1,5-*N*-Dibenzoyl

Molecular Formula: C₂₀H₁₄Cl₂N₂O₂

Molecular Weight: 385.248

Accurate Mass: 384.043232

Percentage Composition: C 62.35%; H 3.66%; Cl 18.41%; N 7.27%; O 8.31%

Physical Description: Needles (C₆H₆ or CHCl₃)

Melting Point: Mp 187°

References:

Morgan, G.T., *J.C.S.*, 1900, **77**, 1202, (*synth*)

Emerson, W.S. *et al.*, *J.A.C.S.*, 1941, **63**, 2843, (*synth*)

Rae, I.D., *Aust. J. Chem.*, 1978, **31**, 1851, (*pmr*)