



>>Entry Name: 5-Chloro-2-nitrodiphenylamine

Synonym(s): 5-Chloro-2-nitro-*N*-phenylbenzenamine, 9CI

CAS Registry Number: 25781-92-4

Structure by analogy with 2-Chloro-2'-nitrodiphenylamine, [DXD03-B](#)

Molecular Formula: C₁₂H₉ClN₂O₂

Molecular Weight: 248.668

Accurate Mass: 248.035255

Percentage Composition: C 57.96%; H 3.65%; Cl 14.26%; N 11.27%; O 12.87%

Physical Description: Red needles (EtOH)

Melting Point: Mp 110°

Aldrich: 15322-2

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 781A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1387B, (*ir*)

Laubenheimer, A., *Ber.*, 1876, **9**, 768, (*synth*)

Borodkin, V.F., *Zh. Prikl. Khim. (Leningrad)*, 1948, **21**, 987; *CA*, **43**, 6175, (*synth*)