



>>Entry Name: **2-Chloro-6-nitroaniline**, 8Cl

Synonym(s): 2-Chloro-6-nitrobenzenamine, 9Cl

CAS Registry Number: 769-11-9

Molecular Formula: $C_6H_5ClN_2O_2$

Molecular Weight: 172.57

Accurate Mass: 172.003955

Percentage Composition: C 41.76%; H 2.92%; Cl 20.54%; N 16.23%; O 18.54%

Physical Description: Yellow needles (petrol)

Melting Point: Mp 76°

pKa Value: pK_{a1} -2.23 (20°, H_2SO_4 aq.)

Rare Chemicals Library: S44647-5

>>Derivative: *N*-Ac

CAS Registry Number: 72487-80-0

Molecular Formula: $C_8H_7ClN_2O_3$

Molecular Weight: 214.608

Accurate Mass: 214.01452

Percentage Composition: C 44.77%; H 3.29%; Cl 16.52%; N 13.05%; O 22.37%

Physical Description: Yellow needles

Melting Point: Mp 193°

>>Derivative: *N*-Me

CAS Registry Number: 75438-12-9

Molecular Formula: $C_7H_7ClN_2O_2$

Molecular Weight: 186.597

Accurate Mass: 186.019605

Percentage Composition: C 45.06%; H 3.78%; Cl 19.00%; N 15.01%; O 17.15%

Melting Point: Mp 49-50°

References:

de Bruyn, A.F.H.L., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1916, **36**, 128, (*synth*)

Wolf, F.J. *et al.*, *J.A.C.S.*, 1954, **76**, 3551, (*synth*)

Dyall, L.K. *et al.*, *Chem. Ind. (London)*, 1958, 262, (*ir*)