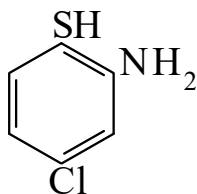




>>Entry Name: 2-Amino-4-chlorobenzenethiol, 9Cl

Synonym(s): 5-Chloro-2-mercaptoaniline



CAS Registry Number: 1004-00-8

Molecular Formula: C<sub>6</sub>H<sub>6</sub>ClNS

Molecular Weight: 159.639

Accurate Mass: 158.990946

Percentage Composition: C 45.14%; H 3.79%; Cl 22.21%; N 8.77%; S 20.09%

Use/Importance: Used as a 4% soln. in EtOH for photometric detn. of Mo; indirect photometric detn. of P(*I*), Si(*IV*)

Physical Description: Cryst. (petrol)

Melting Point: Mp 45°

Solubility: Sol. alkalis, acids, EtOH; spar. sol. H<sub>2</sub>O

>>Derivative: Hydrochloride

CAS Registry Number: 615-48-5

Physical Description: Yellow plates (EtOH)

Melting Point: Mp 212-214 dec.°

Rare Chemicals Library: S65883-9

#### References:

Cossey, H.D. *et al.*, *J.C.S.*, 1963, 4322, (*synth*)

Kirkbright, G.F. *et al.*, *Talanta*, 1964, **11**, 415, (*detn, Mo*)

Collings, A.J. *et al.*, *Tetrahedron*, 1964, **20**, 2167, (*synth*)

Djurkin, V. *et al.*, *Analyst (London)*, 1966, **91**, 89, (*detn, P*)

Trudell, L.A. *et al.*, *Talanta*, 1972, **19**, 37, (*detn, Si*)