



>>Entry Name: 4-Chloro-2-iodoaniline, 8Cl
Synonym(s): 4-Chloro-2-iodobenzenamine, 9Cl

CAS Registry Number: 63069-48-7

Molecular Formula: C₆H₅ClIN
Molecular Weight: 253.469
Accurate Mass: 252.915524
Percentage Composition: C 28.43%; H 1.99%; Cl 13.99%; I 50.07%; N 5.53%
Physical Description: Needles (petrol)
Melting Point: Mp 46° (40-41°)
Other Data: Steam-volatile

>>Derivative: Hydrochloride

Melting Point: Mp 202 dec.°

>>Derivative: N-Ac
Synonym(s): 4-Chloro-2-iodoacetanilide

CAS Registry Number: 116035-66-6
Molecular Formula: C₈H₇ClINO
Molecular Weight: 295.507
Accurate Mass: 294.926089
Percentage Composition: C 32.52%; H 2.39%; Cl 12.00%; I 42.94%; N 4.74%; O 5.41%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 148.2-149.2°

References:

Dains, F.B. *et al.*, *J.A.C.S.*, 1918, **40**, 930-936, (*synth*)
Berliner, E., *J.A.C.S.*, 1956, **78**, 3632-3637, (*synth*)
Bachki, A. *et al.*, *Tetrahedron*, 1994, **50**, 5139-5146, (*synth, ir, pmr, ms*)
Ezquerro, J. *et al.*, *J.O.C.*, 1996, **61**, 5804-5812, (*synth, ir, pmr, cmr*)