



>>Entry Name: 4-Chloro-2-iodoaniline, 8Cl

Synonym(s): 4-Chloro-2-iodobenzenamine, 9Cl

CAS Registry Number: 63069-48-7

Structure by analogy with 2-Chloro-4-iodoaniline, [DWV03-G](#)

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*)