



>>Entry Name: 4-Amino-3,5-dichlorobenzoic acid, 9Cl, 8Cl

CAS Registry Number: 56961-25-2

Molecular Formula: $C_7H_5Cl_2NO_2$

Molecular Weight: 206.027

Accurate Mass: 204.969733

Percentage Composition: C 40.81%; H 2.45%; Cl 34.42%; N 6.80%; O 15.53%

Use/Importance: Herbicide

Physical Description: Cryst. (EtOH)

Melting Point: Mp 290-293° (237-238°)

Rare Chemicals Library: S88871-0

>>Derivative: Me ester

CAS Registry Number: 41727-48-4

Molecular Formula: $C_8H_7Cl_2NO_2$

Molecular Weight: 220.054

Accurate Mass: 218.985383

Percentage Composition: C 43.67%; H 3.21%; Cl 32.22%; N 6.37%; O 14.54%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 98° (83-84°)

>>Derivative: Chloride

CAS Registry Number: 58991-40-5

Molecular Formula: $C_7H_4Cl_3NO$

Molecular Weight: 224.473

Accurate Mass: 222.935845

Percentage Composition: C 37.46%; H 1.80%; Cl 47.38%; N 6.24%; O 7.13%

Melting Point: Mp 160°

>>Derivative: Hydrazide

Molecular Formula: $C_7H_7Cl_2N_3O$

Molecular Weight: 220.057

Accurate Mass: 218.996616

Percentage Composition: C 38.21%; H 3.21%; Cl 32.22%; N 19.10%; O 7.27%

Physical Description: Cryst. (AcOH)

Melting Point: Mp 201-202°

References:

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Muller, E. *et al.*, *Ber.*, 1941, **74**, 807, (*synth*)

Whittle, E.L. *et al.*, *J.A.C.S.*, 1947, **69**, 1786, (*synth*)

Childress, S.J. *et al.*, *J.A.C.S.*, 1954, **76**, 3988

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