



>>Entry Name: 3,4-Dichlorobenzoic acid

CAS Registry Number: 51-44-5

Molecular Formula: $C_7H_4Cl_2O_2$

Molecular Weight: 191.013

Accurate Mass: 189.958834

Percentage Composition: C 44.02%; H 2.11%; Cl 37.12%; O 16.75%

Physical Description: Needles (EtOH aq. or C_6H_6)

Melting Point: Mp 208-209°

pKa Value: pK_a 3.64 (25°)

Aldrich: 14493-2

Fluka: 35315

>>Derivative: Me ester

CAS Registry Number: 2905-68-2

Molecular Formula: $C_8H_6Cl_2O_2$

Molecular Weight: 205.04

Accurate Mass: 203.974484

Percentage Composition: C 46.86%; H 2.95%; Cl 34.58%; O 15.61%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 45-47°

Rare Chemicals Library: S63497-2

>>Derivative: Chloride

CAS Registry Number: 3024-72-4

Molecular Formula: $C_7H_3Cl_3O$

Molecular Weight: 209.458

Accurate Mass: 207.924946

Percentage Composition: C 40.14%; H 1.44%; Cl 50.78%; O 7.64%

Melting Point: Mp 15-18°

Boiling Point: Bp_{42} 153-155°. Bp_1 88-88.3°

Aldrich: 11194-5

Fluka: 35426

>>Derivative: Hydrazide

CAS Registry Number: 28036-91-1

Physical Description: Solid (EtOH)

Melting Point: Mp 167-168°

Other: MG Z1980

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 210B; 349C, (*ir*)

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Long, R.S., *J.A.C.S.*, 1947, **69**, 990

Ross, S.D., *J.A.C.S.*, 1948, **70**, 4039, (*synth*, *uv*)

Woodburn, H.M. *et al.*, *J.A.C.S.*, 1949, **71**, 1709

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