



>>Entry Name: **2,5-Dichloro-1,4-benzenediol**, 9Cl

Synonym(s): 2,5-Dichlorohydroquinone, 8Cl. 2,5-Dichloroquinol

CAS Registry Number: 824-69-1

Molecular Formula: $C_6H_4Cl_2O_2$

Molecular Weight: 179.002

Accurate Mass: 177.958834

Percentage Composition: C 40.26%; H 2.25%; Cl 39.61%; O 17.88%

Physical Description: Needles or prisms (Me_2CO , C_6H_6 or H_2O)

Melting Point: Mp 172° (166°)

Other Data: Sublimes

>>Derivative: 1-Ac

Molecular Formula: $C_8H_6Cl_2O_3$

Molecular Weight: 221.039

Accurate Mass: 219.969399

Percentage Composition: C 43.47%; H 2.74%; Cl 32.08%; O 21.71%

Melting Point: Mp 116-119°

>>Derivative: 1,4-Di-Ac

CAS Registry Number: 71155-99-2

Molecular Formula: $C_{10}H_8Cl_2O_4$

Molecular Weight: 263.076

Accurate Mass: 261.979964

Percentage Composition: C 45.66%; H 3.06%; Cl 26.95%; O 24.33%

Physical Description: Needles

Melting Point: Mp 142-144°

>>Derivative: Di-Me ether

Synonym(s): 1,4-Dichloro-2,5-dimethoxybenzene. Chloronab. Demosan

CAS Registry Number: 2675-77-6

Molecular Formula: $C_8H_8Cl_2O_2$

Molecular Weight: 207.055

Accurate Mass: 205.990134

Percentage Composition: C 46.41%; H 3.89%; Cl 34.24%; O 15.45%

Melting Point: Mp 134°

Boiling Point: Bp₇₄₄ 262°

Supelco: R30-2160

References:

Kohn, M. *et al.*, *Monatsh. Chem.*, 1930, **56**, 135-136, (*di-Me ether*)

Ter Borg, A.P., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1954, **73**, 5-12, (*synth*)

Akita, T., *CA*, 1962, **57**, 9711c, (*synth*)

Beddoes, R.L. *et al.*, *J.C.S. Perkin 1*, 1981, 2670-2675, (*synth*)

Florjanczyk, Z. *et al.*, *J. Organomet. Chem.*, 1983, **259**, 127-137, (*ir, pmr*)

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