



>>Entry Name: 2,4-Dichloro-6-methylphenol, 9Cl

Synonym(s): 4,6-Dichloro-*o*-cresol, 8Cl

CAS Registry Number: 1570-65-6

Molecular Formula: C₇H₆Cl₂O

Molecular Weight: 177.029

Accurate Mass: 175.979569

Percentage Composition: C 47.49%; H 3.42%; Cl 40.05%; O 9.04%

Melting Point: Mp 55°

Boiling Point: Bp₇₃₉ 231.6-231.9°. Bp₁₆ 111-113°

pKa Value: pK_a 8.14 (20°, 0.1M NaClO₄ 1% EtOH)

Rare Chemicals Library: S44378-6

>>Derivative: Ac

Molecular Formula: C₉H₈Cl₂O₂

Molecular Weight: 219.066

Accurate Mass: 217.990134

Percentage Composition: C 49.35%; H 3.68%; Cl 32.37%; O 14.61%

Melting Point: Mp 28.5°

Boiling Point: Bp_{0.7} 82-84°

>>Derivative: Me ether

Synonym(s): 1,5-Dichloro-2-methoxy-3-methylbenzene. 2,4-Dichloro-6-methylanisole

Molecular Formula: C₈H₈Cl₂O

Molecular Weight: 191.056

Accurate Mass: 189.995219

Percentage Composition: C 50.29%; H 4.22%; Cl 37.11%; O 8.37%

Melting Point: Mp 35°

References:

Zincke, T. *et al.*, *Annalen*, 1918, **417**, 191, (*synth*)

Nord, S. *et al.*, *Acta Chem. Scand.*, 1957, **11**, 1752, (*synth*)

Kondo, M., *Bull. Chem. Soc. Jpn.*, 1965, **38**, 1271, (*nmr*)

Kaemmerer, H. *et al.*, *Spectrochim. Acta A*, 1968, **24**, 2059, (*uv*)

Sucha, L., *Coll. Czech. Chem. Comm.*, 1970, **35**, 3657, (*ir*)