



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

Synonym(s): 2,6-Dichloro-*p*-cresol, 8Cl

CAS Registry Number: 2432-12-4

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 42°

Boiling Point: Bp₁₄ 120-125°

pKa Value: pK_{a1} 7.19 (25°)

>>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 48°

>>Derivative: Benzoyl

Molecular Formula: C₁₄H₁₀Cl₂O₂

Molecular Weight: 281.137

Accurate Mass: 280.005784

Percentage Composition: C 59.81%; H 3.59%; Cl 25.22%; O 11.38%

Melting Point: Mp 91°

>>Derivative: Me ether

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

Boiling Point: Bp 234°

References:

Zincke, T. *et al.*, *Annalen*, 1903, **328**, 268, (*synth*)

Chulkov, I. *et al.*, *CA*, 1937, **31**, 7074, (*synth*)

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