



>>Entry Name: 2-Chloro-4-methylphenol, 9Cl

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

CAS Registry Number: 6640-27-3

Extra CAS Registry Numbers(s): 1321-10-4

Molecular Formula: C₇H₇ClO

Molecular Weight: 142.584

Accurate Mass: 142.018542

Percentage Composition: C 58.97%; H 4.95%; Cl 24.86%; O 11.22%

Physical Description: Liq.

Boiling Point: Bp 195-196°

pKa Value: pK_a 8.74 (20°, 0.1M NaClO₄ 1% EtOH)

Aldrich: 27319-8

>>Derivative: Benzoyl

Molecular Formula: C₁₄H₁₁ClO₂

Molecular Weight: 246.692

Accurate Mass: 246.044757

Percentage Composition: C 68.16%; H 4.49%; Cl 14.37%; O 12.97%

Physical Description: Cryst. (petrol)

Melting Point: Mp 71-72°

>>Derivative: Me ether

Synonym(s): 2-Chloro-1-methoxy-4-methylbenzene. 3-Chloro-4-methoxytoluene

CAS Registry Number: 22002-44-4

Molecular Formula: C₈H₉ClO

Molecular Weight: 156.611

Accurate Mass: 156.034192

Percentage Composition: C 61.35%; H 5.79%; Cl 22.64%; O 10.22%

Physical Description: Liq.

Boiling Point: Bp 215-218°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 269A, (*nmr*)

Sah, P.T.T. *et al.*, *J.A.C.S.*, 1941, **63**, 3164, (*synth*)

Lamartine, R. *et al.*, *J.O.C.*, 1974, **39**, 1744, (*synth*)