



>>Entry Name: 2-Chloro-5-methylphenol, 9Cl

Synonym(s): 6-Chloro-*m*-cresol, 8Cl

CAS Registry Number: 615-74-7

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: Cryst.

Melting Point: Mp 46°

Boiling Point: Bp 196°

Aldrich: 15955-7

Supelco: 44-2341

>>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 40°

>>Derivative: Me ether

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

CAS Registry Number: 73909-16-7

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.

Melting Point: Mp 185°

References:

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

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1089A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1023B, (*ir*)

Huston, R.C. *et al.*, *J.A.C.S.*, 1933, **55**, 4214; 1935, **57**, 2178, (*synth*)

Brändstrom, A. *et al.*, *Acta Chem. Scand.*, 1967, **21**, 303, (*synth*)