



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

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

CAS Registry Number: 1570-64-5

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. (petrol)

Melting Point: Mp 49°

Boiling Point: Bp 222-225°

pK_a Value: pK_a 9.55 (20°, 0.1M NaClO₄ 1% EtOH)

Hazard & Toxicity: Reacts vigorously, sometimes explosively, with conc. NaOH soln. Irritant and corrosive on prolonged contact, to all tissues. LD₅₀ (mus, orl) 1320 mg/kg

Aldrich: C5520-8

Fluka: 24930

Supelco: 44-2407

>>Derivative: Me ether

Synonym(s): 4-Chloro-1-methoxy-2-methylbenzene. 5-Chloro-2-methoxytoluene

CAS Registry Number: 3260-85-3

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 213-215°

References:

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

Yamada, K. *et al.*, *Chem. Comm.*, 1978, 1089, (synth)

Minami, N. *et al.*, *Chem. Pharm. Bull.*, 1979, **27**, 816, (synth)

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