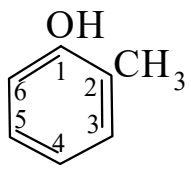
>>**Entry Name: 2-Methylphenol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): *o*-Cresol, 8CI. *o*-Hydroxytoluene. *o*-Cresylic acid



CAS Registry Number: 95-48-7
Related CAS Registry Numbers(s): 1319-77-3
Extra CAS Registry Numbers(s): 1319-77-3

Molecular Formula: C_7H_8O
Molecular Weight: 108.14
Accurate Mass: 108.057515
Percentage Composition: C 77.75%; H 7.46%; O 14.80%
Biological Source: Found in leaves of *Morus* sp.
Use/Importance: Antiseptic. Used in the manuf. of novolak phenolic resins
Physical Description: Cryst.
Melting Point: Mp 30°
Boiling Point: Bp 191-192°. Bp_{76} 120°. Bp_6 70°
Density: d_4^{20}1.05
pKa Value: pK_a 10.32 (25°)
Calculated Log P Data: Log P 1.97 (calc)
Other Data: Steam-volatile
Hazard & Toxicity: Fl. p. 81°, autoignition temp. 555°. Corrosive and irritating to all tissues. Prolonged or repeated exposure can damage liver and kidneys, and cause adverse CNS and cardiovascular effects. Systemic effects produced by skin absorption (which is rapid), inhalation of vapours (at elevated temperatures) and by ingestion. LD_{50} (rat, orl) 121 mg/kg. LD_{50} (rat, skn) 620 mg/kg

Aldrich: W34800-7
Fluka: 61000
Sigma: C7400
Supelco: 44-2361

>>**Derivative:** Picrate

Physical Description: Orange needles
Melting Point: Mp 88°

>>**Derivative:** Ac
Synonym(s): *o*-Tolyl acetate

CAS Registry Number: 533-18-6
Molecular Formula: $C_9H_{10}O_2$
Molecular Weight: 150.177
Accurate Mass: 150.06808
Percentage Composition: C 71.98%; H 6.71%; O 21.31%
Physical Description: Liq.
Boiling Point: Bp 208°

>>**Derivative:** Me ether
Synonym(s): 1-Methoxy-2-methylbenzene. Methyl *o*-tolyl ether. 2-Methoxytoluene

CAS Registry Number: 578-58-5
Molecular Formula: $C_8H_{10}O$
Molecular Weight: 122.166
Accurate Mass: 122.073165
Percentage Composition: C 78.65%; H 8.25%; O 13.10%
Physical Description: Liq.
Boiling Point: Bp 171-172°
Aldrich: W26800-3

>>**Derivative:** Et ether
Synonym(s): 1-Ethoxy-2-methylbenzene. Ethyl *o*-tolyl ether. 2-Ethoxytoluene