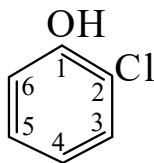




>>Entry Name: 2-Chlorophenol, 9Cl



CAS Registry Number: 95-57-8

Extra CAS Registry Numbers(s): 25167-80-0

Molecular Formula: C₆H₅ClO

Molecular Weight: 128.558

Accurate Mass: 128.002892

Percentage Composition: C 56.06%; H 3.92%; Cl 27.58%; O 12.45%

Physical Description: Liq.

Melting Point: Mp 9°

Boiling Point: Bp 174.9°

Density: d₄²⁰ 1.263

pKa Value: pK_a 8.56 (25°)

Refractive Index: n_D²⁰ 1.5594

Hazard & Toxicity: Corrosive and irritating to all tissues. LD₅₀ (rat, orl) 670 mg/kg. Exp. reprod. effects

Aldrich: 18577-9

Fluka: 25820

Sigma: C9029

Supelco: 4-8521

>>Derivative: Formyl

CAS Registry Number: 3981-71-3

Molecular Formula: C₇H₅ClO₂

Molecular Weight: 156.568

Accurate Mass: 155.997807

Percentage Composition: C 53.70%; H 3.22%; Cl 22.64%; O 20.44%

Physical Description: Oil

Boiling Point: Bp_{1.5} 50-59.5°

>>Derivative: Ac

CAS Registry Number: 4525-75-1

Molecular Formula: C₈H₇ClO₂

Molecular Weight: 170.595

Accurate Mass: 170.013457

Percentage Composition: C 56.33%; H 4.14%; Cl 20.78%; O 18.76%

Physical Description: Liq.

Boiling Point: Bp₁₅ 103°

>>Derivative: Benzoyl

CAS Registry Number: 54683-91-9

Molecular Formula: C₁₃H₉ClO₂

Molecular Weight: 232.666

Accurate Mass: 232.029107

Percentage Composition: C 67.11%; H 3.90%; Cl 15.24%; O 13.75%

Physical Description: Liq.

Boiling Point: Bp₃ 155-157°

>>Derivative: Me ether

Synonym(s): 1-Chloro-2-methoxybenzene, 9Cl. 2-Chloroanisole

CAS Registry Number: 766-51-8

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: Bp₁₀ 77-78°