>>**Entry Name: 2-Chloro-6-methylbenzoic acid,** 9Cl
Synonym(s): 6-Chloro-*o*-toluic acid

CAS Registry Number: 21327-86-6

Molecular Formula: $C_8H_7ClO_2$
Molecular Weight: 170.595
Accurate Mass: 170.013457
Percentage Composition: C 56.33%; H 4.14%; Cl 20.78%; O 18.76%
Physical Description: Needles (H_2O)
Melting Point: Mp 110° (102°, 105°)
pKa Value: pK_a 2.75 (20°, 1% EtOH) pK_a 2.43 (25°, H_2O)

>>**Derivative:** Chloride

Molecular Formula: $C_8H_6Cl_2O$
Molecular Weight: 189.04
Accurate Mass: 187.979569
Percentage Composition: C 50.83%; H 3.20%; Cl 37.51%; O 8.46%
Boiling Point: Bp_{16} 114-116°

>>**Derivative:** Amide

CAS Registry Number: 101080-58-4
Molecular Formula: C_8H_8ClNO
Molecular Weight: 169.61
Accurate Mass: 169.029441
Percentage Composition: C 56.65%; H 4.75%; Cl 20.90%; N 8.26%; O 9.43%
Physical Description: Scales
Melting Point: Mp 167°

>>**Derivative:** Nitrile
Synonym(s): 2-Chloro-6-methylbenzonitrile. 1-Chloro-2-cyano-3-methylbenzene. 3-Chloro-2-cyanotoluene

CAS Registry Number: 6575-09-3
Molecular Formula: C_8H_6ClN
Molecular Weight: 151.595
Accurate Mass: 151.018876
Percentage Composition: C 63.38%; H 3.99%; Cl 23.39%; N 9.24%
Physical Description: Prisms (petrol)
Melting Point: Mp 83-85°
Aldrich: 12508-3

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