



>>Entry Name: 2-Amino-6-chlorophenol, 9Cl

CAS Registry Number: 38191-33-2

Molecular Formula: C₆H₆ClNO

Molecular Weight: 143.572

Accurate Mass: 143.013791

Percentage Composition: C 50.19%; H 4.21%; Cl 24.69%; N 9.76%; O 11.14%

Physical Description: Cryst. (petrol)

Melting Point: Mp 74°. Mp 81°

>>Derivative: *N,O*-Di-Ac

Molecular Formula: C₁₀H₁₀ClNO₃

Molecular Weight: 227.647

Accurate Mass: 227.034921

Percentage Composition: C 52.76%; H 4.43%; Cl 15.57%; N 6.15%; O 21.08%

Physical Description: Needles (H₂O)

Melting Point: Mp 128°

>>Derivative: Me ether

Synonym(s): 3-Chloro-2-methoxybenzenamine, 9Cl. 3-Chloro-2-methoxyaniline. 3-Chloro-*o*-anisidine. 2-Amino-6-chloroanisole

Molecular Formula: C₇H₈ClNO

Molecular Weight: 157.599

Accurate Mass: 157.029441

Percentage Composition: C 53.35%; H 5.12%; Cl 22.50%; N 8.89%; O 10.15%

Boiling Point: Bp₁₀ 112-116°

>>Derivative: Me ether, *N*-Ac

Synonym(s): 3-Chloro-2-methoxyacetanilide. 3-Chloro-*o*-anisidide. 2-Acetamido-6-chloroanisole

Molecular Formula: C₉H₁₀ClNO₂

Molecular Weight: 199.636

Accurate Mass: 199.040006

Percentage Composition: C 54.15%; H 5.05%; Cl 17.76%; N 7.02%; O 16.03%

Melting Point: Mp 84-85°

>>Derivative: Et ether

Synonym(s): 3-Chloro-2-ethoxyaniline. 3-Chloro-*o*-phenetidine

CAS Registry Number: 53689-24-0

Molecular Formula: C₈H₁₀ClNO

Molecular Weight: 171.626

Accurate Mass: 171.045091

Percentage Composition: C 55.99%; H 5.87%; Cl 20.66%; N 8.16%; O 9.32%

Melting Point: Mp 203-204°

References:

- Lauer, W.M. *et al.*, *J.A.C.S.*, 1946, **68**, 1268, (*deriv*)
Albert, A. *et al.*, *Biochem. J.*, 1947, **41**, 534
Katz, L. *et al.*, *J.O.C.*, 1954, **19**, 758
Bray, H.G. *et al.*, *Biochem. J.*, 1956, **64**, 38
Baiocchi, L. *et al.*, *Boll. Chim. Farm.*, 1974, **113**, 152, (*deriv*)