



>>Entry Name: 4-Amino-3-chlorobenzoic acid, 9Cl, 8Cl
ENTRY UNDER REVIEW

CAS Registry Number: 2486-71-7

Molecular Formula: $C_7H_6ClNO_2$

Molecular Weight: 171.583

Accurate Mass: 171.008706

Percentage Composition: C 49.00%; H 3.52%; Cl 20.66%; N 8.16%; O 18.65%

Use/Importance: Possesses anticoccidial props.; inhibits folate formation in *E. coli*

Physical Description: Cryst. (H_2O)

Melting Point: Mp 225.7-227°

>>Derivative: Me ester

CAS Registry Number: 84228-44-4

Molecular Formula: $C_8H_8ClNO_2$

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Melting Point: Mp 112-113°

>>Derivative: Et ester

CAS Registry Number: 82765-44-4

Molecular Formula: $C_9H_{10}ClNO_2$

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%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 81-83°

>>Derivative: Nitrile

Synonym(s): 2-Chloro-4-cyanoaniline

CAS Registry Number: 21803-75-8

Molecular Formula: $C_7H_5ClN_2$

Molecular Weight: 152.583

Accurate Mass: 152.014125

Percentage Composition: C 55.10%; H 3.30%; Cl 23.24%; N 18.36%

Melting Point: Mp 101-102°

>>Derivative: *N*-Ac

CAS Registry Number: 74114-62-8

Molecular Formula: $C_9H_8ClNO_3$

Molecular Weight: 213.62

Accurate Mass: 213.019271

Percentage Composition: C 50.60%; H 3.77%; Cl 16.60%; N 6.56%; O 22.47%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 236-238°

>>Derivative: *N*-Me

CAS Registry Number: 72228-73-0

Molecular Formula: $C_8H_8ClNO_2$

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Melting Point: Mp 208-210°