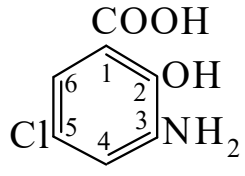
>>**Entry Name: 3-Amino-5-chloro-2-hydroxybenzoic acid,** 9Cl
Synonym(s): 3-Amino-5-chlorosalicylic acid, 8Cl



CAS Registry Number: 7180-80-5

Molecular Formula: $C_7H_6ClNO_3$
Molecular Weight: 187.582
Accurate Mass: 187.003621
Percentage Composition: C 44.82%; H 3.22%; Cl 18.90%; N 7.47%; O 25.59%
Use/Importance: Has antiinflammatory activity
Melting Point: Mp 240 dec.°

>>**Derivative:** *N*-Ac

Molecular Formula: $C_9H_8ClNO_4$
Molecular Weight: 229.619
Accurate Mass: 229.014186
Percentage Composition: C 47.08%; H 3.51%; Cl 15.44%; N 6.10%; O 27.87%
Melting Point: Mp 291°

>>**Derivative:** Me ester

CAS Registry Number: 5043-81-2
Molecular Formula: $C_8H_8ClNO_3$
Molecular Weight: 201.609
Accurate Mass: 201.019271
Percentage Composition: C 47.66%; H 4.00%; Cl 17.58%; N 6.95%; O 23.81%
Physical Description: Pale yellow cryst.
Melting Point: Mp 92-93°

>>**Derivative:** Me ether, nitrile
Synonym(s): 3-Amino-5-chloro-2-methoxybenzonitrile

Molecular Formula: $C_8H_7ClN_2O$
Molecular Weight: 182.609
Accurate Mass: 182.02469
Percentage Composition: C 52.62%; H 3.86%; Cl 19.41%; N 15.34%; O 8.76%
Physical Description: Cryst. (hexane/EtOAc)

References:

Plessing, C.B., *CA*, 1966, **64**, 6555, *(synth)*
Martin, N. *et al.*, *CA*, 1972, **76**, 68096, *(use)*
Lin, C.-T. *et al.*, *J.C.S. Perkin 2*, 1978, 957-962, *(synth, pmr)*
Kawakita, T. *et al.*, *Chem. Pharm. Bull.*, 1992, **40**, 624-630, *(Me ester, synth, ir, pmr)*
Suzuki, T. *et al.*, *Chem. Pharm. Bull.*, 1999, **47**, 120-122, *(Me ether nitrile, synth, pmr)*