>>**Entry Name: 5-Chloro-2-hydroxy-3-nitrobenzoic acid,** 9Cl
Synonym(s): 5-Chloro-3-nitrosalicylic acid, 8Cl

CAS Registry Number: 7195-78-0

Molecular Formula: $C_7H_4ClNO_5$
Molecular Weight: 217.565
Accurate Mass: 216.977801
Percentage Composition: C 38.64%; H 1.85%; Cl 16.30%; N 6.44%; O 36.77%
Physical Description: Yellow needles (H_2O)
Melting Point: Mp 165-167°

>>**Derivative:** Et ester

Molecular Formula: $C_9H_8ClNO_5$
Molecular Weight: 245.619
Accurate Mass: 245.009101
Percentage Composition: C 44.01%; H 3.28%; Cl 14.43%; N 5.70%; O 32.57%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 91°

>>**Derivative:** Amide

Molecular Formula: $C_7H_5ClN_2O_4$
Molecular Weight: 216.58
Accurate Mass: 215.993785
Percentage Composition: C 38.82%; H 2.33%; Cl 16.37%; N 12.93%; O 29.55%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 199°

>>**Derivative:** Me ether, Me ester

CAS Registry Number: 65851-92-5
Molecular Formula: $C_9H_8ClNO_5$
Molecular Weight: 245.619
Accurate Mass: 245.009101
Percentage Composition: C 44.01%; H 3.28%; Cl 14.43%; N 5.70%; O 32.57%
Physical Description: Cryst.
Melting Point: Mp 64°

References:

Thakkar, N. *et al.*, *Indian J. Chem., Sect. B*, 1977, **15**, 767, *(synth)*
Lin, C.-T. *et al.*, *J.C.S. Perkin 2*, 1978, 957, *(synth)*