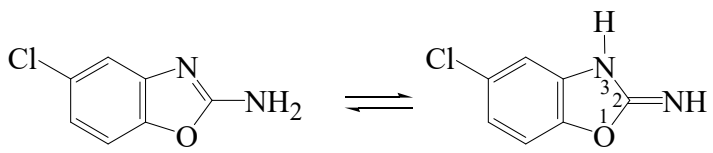
>>**Entry Name: 2-Amino-5-chlorobenzoxazole**
Synonym(s): 5-Chloro-2-benzoxazolamine, 9CI. **Zoxazolamine,** BAN, INN. Contrazole. Deflexol. Flexin. Miazol. Uri-Boi. Zoxamine. Zoxine. McN 485



CAS Registry Number: 61-80-3

Molecular Formula: $C_7H_5ClN_2O$
Molecular Weight: 168.582
Accurate Mass: 168.00904
Percentage Composition: C 49.87%; H 2.99%; Cl 21.03%; N 16.62%; O 9.49%
Use/Importance: Muscle relaxant
Physical Description: Plates (EtOH aq.)
Development Status: No longer marketed
Melting Point: Mp 182-183° (185-186°)
Hazard & Toxicity: LD_{50} (rat, orl) 782 mg/kg

Aldrich: A4580-7
Sigma: A3148

>>**Variant:** Amino-form

Molecular Formula: $C_7H_5ClN_2O$
Molecular Weight: 168.582
Accurate Mass: 168.00904
Percentage Composition: C 49.87%; H 2.99%; Cl 21.03%; N 16.62%; O 9.49%

>>**Derivative:** Hydrochloride

Physical Description: Needles
Melting Point: Mp 229 dec.°

>>**Derivative:** 2-*N*-Benzoyl

Molecular Formula: $C_{14}H_9ClN_2O_2$
Molecular Weight: 272.69
Accurate Mass: 272.035255
Percentage Composition: C 61.66%; H 3.33%; Cl 13.00%; N 10.27%; O 11.73%
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 213°

>>**Derivative:** 2-*N*-Ethoxycarbonyl

Molecular Formula: $C_{10}H_9ClN_2O_3$
Molecular Weight: 240.645
Accurate Mass: 240.03017
Percentage Composition: C 49.91%; H 3.77%; Cl 14.73%; N 11.64%; O 19.95%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 238 dec.°

>>**Derivative:** 2-*N*-Ph
Synonym(s): 2-Anilino-5-chlorobenzoxazole

CAS Registry Number: 79558-94-4
Molecular Formula: $C_{13}H_9ClN_2O$
Molecular Weight: 244.68
Accurate Mass: 244.04034
Percentage Composition: C 63.82%; H 3.71%; Cl 14.49%; N 11.45%; O 6.54%
Melting Point: Mp 212-213°

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