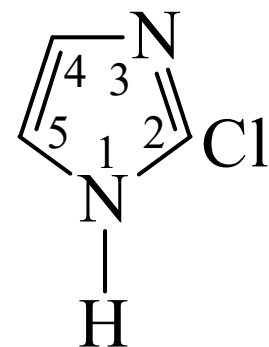




>>Entry Name: 2-Chloro-1*H*-imidazole



CAS Registry Number: 16265-04-6

Molecular Formula: C₃H₃ClN₂

Molecular Weight: 102.523

Accurate Mass: 101.998475

Percentage Composition: C 35.15%; H 2.95%; Cl 34.58%; N 27.32%

Physical Description: Cryst. by subl.

Melting Point: Mp 165-166°

>>**Derivative:** *N*-Hydroxy

Molecular Formula: C₃H₃ClN₂O

Molecular Weight: 118.522

Accurate Mass: 117.99339

Percentage Composition: C 30.40%; H 2.55%; Cl 29.91%; N 23.64%; O 13.50%

Physical Description: Hygroscopic cryst.

References:

Imbach, J.L. *et al.*, *J. Het. Chem.*, 1967, **4**, 451, (*synth*)

Eriksen, B.L. *et al.*, *J.O.C.*, 1998, **63**, 12-16, (*N-hydroxy, synth, pmr, cmr*)

Havez, S. *et al.*, *J.O.C.*, 1998, **63**, 7418-7420, (*N-hydroxy*)