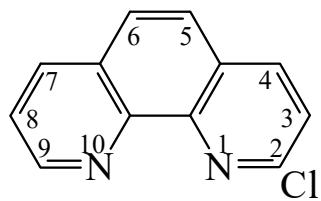




>>Entry Name: 2-Chloro-1,10-phenanthroline, 9Cl



CAS Registry Number: 7089-68-1

Molecular Formula: C₁₂H₇ClN₂

Molecular Weight: 214.653

Accurate Mass: 214.029775

Percentage Composition: C 67.15%; H 3.29%; Cl 16.52%; N 13.05%

Use/Importance: Forms complexes with transition metals

Physical Description: Fine needles (H₂O or CCl₄)

Melting Point: Mp 130°

Rare Chemicals Library: S10108-7

References:

Halcrow, B.E. *et al.*, *J.C.S.*, 1946, 155, (*synth*)

Karrer, P. *et al.*, *Helv. Chim. Acta*, 1948, **31**, 786, (*synth*)

Ogawa, S. *et al.*, *CA*, 1970, **73**, 87818b, (*oxides*)

Fife, T.H. *et al.*, *J.A.C.S.*, 1988, **110**, 7790, (*synth*)

Yamada, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1991, **64**, 1821, (*uv*)