



>>Entry Name: 5-Chloro-2-pyridinethiol, 9CI

Synonym(s): 5-Chloro-2(1*H*)-pyridinethione. 5-Chloro-2-mercaptopyridine

CAS Registry Number: 40771-41-3

Structure by analogy with 2-Chloro-3-pyridinethiol, [KVL64-T](#)

Molecular Formula: C₅H₄ClNS

Molecular Weight: 145.612

Accurate Mass: 144.975296

Percentage Composition: C 41.24%; H 2.77%; Cl 24.35%; N 9.62%; S 22.02%

Physical Description: Yellow silky cryst. (C₆H₆)

Melting Point: Mp 198° (192-194°)

References:

Binz, A. *et al.*, *Annalen*, 1931, **487**, 105, (*synth*)

Nimitz, J.S., *Synth. Commun.*, 1981, **11**, 273