



>>Entry Name: **2-Chloro-4-pyridinethiol**, 9Cl

Synonym(s): 2-Chloro-4-mercaptopyridine. 2-Chloro-4(1*H*)-pyridinethione

CAS Registry Number: 106962-88-3

Related CAS Registry Numbers(s): 71851-37-1

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%

>>Derivative: *S*-Me

Synonym(s): 2-Chloro-4-(methylthio)pyridine

CAS Registry Number: 71506-83-7

Molecular Formula: C₆H₆ClNS

Molecular Weight: 159.639

Accurate Mass: 158.990946

Percentage Composition: C 45.14%; H 3.79%; Cl 22.21%; N 8.77%; S 20.09%

Physical Description: Pale yellow liq.

Boiling Point: Bp_{0.01} 120-130°

>>Derivative: *S*-Benzyl

CAS Registry Number: 71506-79-1

Molecular Formula: C₁₂H₁₀ClNS

Molecular Weight: 235.736

Accurate Mass: 235.022246

Percentage Composition: C 61.14%; H 4.28%; Cl 15.04%; N 5.94%; S 13.60%

Melting Point: Mp 57-60°

Boiling Point: Bp_{0.1} 166°

References:

Krowicki, K., *Pol. J. Chem. (Rocz. Chem.)*, 1979, **53**, 701