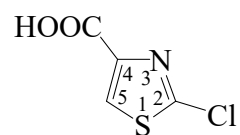




>>Entry Name: 2-Chloro-4-thiazolecarboxylic acid, 9Cl



CAS Registry Number: 5198-87-8

Molecular Formula: C₄H₂ClNO₂S

Molecular Weight: 163.584

Accurate Mass: 162.949476

Percentage Composition: C 29.37%; H 1.23%; Cl 21.67%; N 8.56%; O 19.56%; S 19.60%

Physical Description: Plates (H₂O)

Melting Point: Mp 220-221° (dec.)

>>Derivative: Et ester

CAS Registry Number: 41731-52-6

Molecular Formula: C₆H₆ClNO₂S

Molecular Weight: 191.638

Accurate Mass: 190.980776

Percentage Composition: C 37.61%; H 3.16%; Cl 18.50%; N 7.31%; O 16.70%; S 16.73%

Physical Description: Cryst.

Melting Point: Mp 79°

References:

Erlenmeyer, H. *et al.*, *Helv. Chim. Acta*, 1944, **27**, 1432-1436, (*synth*, *Et ester*)

Koelsch, C.F., *J.A.C.S.*, 1950, **72**, 2993-2995, (*synth*)

Silberg, A. *et al.*, *Rev. Roum. Chim.*, 1965, **10**, 897; *CA*, 1966, **64**, 8164e, (*synth*)