



>>Entry Name: 5-Chloro-2-thiophenecarboxylic acid, 9CI

CAS Registry Number: 24065-33-6

Structure by analogy with 2-Chloro-3-thiophenecarboxylic acid, [GDH36-E](#)

Molecular Formula: C₅H₃ClO₂S

Molecular Weight: 162.596

Accurate Mass: 161.954227

Percentage Composition: C 36.94%; H 1.86%; Cl 21.80%; O 19.68%; S 19.72%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 151-152°

pKa Value: pK_a 3.41 (25°,H₂O)

Other Data: Sublimes

>>Derivative: Me ester

CAS Registry Number: 35475-03-7

Molecular Formula: C₆H₅ClO₂S

Molecular Weight: 176.623

Accurate Mass: 175.969877

Percentage Composition: C 40.80%; H 2.85%; Cl 20.07%; O 18.12%; S 18.16%

Melting Point: Mp 16.5-18°

Boiling Point: Bp₇ 95-97°

References:

Buzas, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1960, 359

Chrzaszewska, A. *et al.*, *CA*, 1969, **71**, 124091, (*synth*)