



>>Entry Name: 5-Chloro-3-thiophenecarboxylic acid

CAS Registry Number: 36157-42-3

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. (EtOH aq.)

Melting Point: Mp 163-164°

>>Derivative: Me ester

CAS Registry Number: 36157-43-4

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%

Boiling Point: Bp_{3,5} 96-99°

References:

Campaigne, E. *et al.*, *J.A.C.S.*, 1954, **76**, 2445

Sone, T. *et al.*, *Nippon Kagaku Kaishi*, 1971, **92**, 1193