



>>Entry Name: 3-Chloro-2-thiophenecarboxylic acid

CAS Registry Number: 59337-89-2

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%

Melting Point: Mp 183-185°

>>Derivative: Me ester

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 36°

>>Derivative: Nitrile

Synonym(s): 3-Chloro-2-cyanothiophene

Molecular Formula: C₅H₂ClNS

Molecular Weight: 143.596

Accurate Mass: 142.959646

Percentage Composition: C 41.82%; H 1.40%; Cl 24.69%; N 9.75%; S 22.33%

Physical Description: Solid

Melting Point: Mp 62°

References:

Profft, E. *et al.*, *J. Prakt. Chem.*, 1964, **24**, 38, (*synth*)

Satonaka, H., *Bull. Chem. Soc. Jpn.*, 1983, **56**, 2463, (*deriv*)

El Kassmi, A. *et al.*, *Synth. Commun.*, 1994, **24**, 95, (*nitrile, synth, pmr, cmr, ms*)