



>>Entry Name: 2,5-Dichlorothiophene, 9Cl

CAS Registry Number: 3172-52-9

Molecular Formula: C₄H₂Cl₂S

Molecular Weight: 153.031

Accurate Mass: 151.925424

Percentage Composition: C 31.39%; H 1.32%; Cl 46.33%; S 20.95%

Melting Point: Fp -43.4°

Boiling Point: Bp 162°

Aldrich: D7580-7

Sigma: D9765

>>Derivative: 1,1-Dioxide

CAS Registry Number: 72541-87-8

Molecular Formula: C₄H₂Cl₂O₂S

Molecular Weight: 185.03

Accurate Mass: 183.915254

Percentage Composition: C 25.97%; H 1.09%; Cl 38.32%; O 17.29%; S 17.33%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 103°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 46C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 593D, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1469A, (ir)

Conde, S. *et al.*, *Synthesis*, 1976, 412

Nyulaszi, L. *et al.*, *J. Mol. Struct.*, 1986, **104**, 353, (uv)

Rozen, S. *et al.*, *Chem. Comm.*, 1994, 1959, (dioxide)