



>>Entry Name: (4-Chlorophenyl)thiourea

CAS Registry Number: 3696-23-9

Structure by analogy with (2-Chlorophenyl)thiourea, [GOO79-B](#)

Molecular Formula: C₇H₇ClN₂S

Molecular Weight: 186.664

Accurate Mass: 186.001845

Percentage Composition: C 45.04%; H 3.78%; Cl 18.99%; N 15.01%; S 17.18%

Physical Description: Needles (EtOH)

Melting Point: Mp 176-177°

>>Derivative: *N,N*-Di-Me

Molecular Formula: C₉H₁₁ClN₂S

Molecular Weight: 214.718

Accurate Mass: 214.033145

Percentage Composition: C 50.34%; H 5.16%; Cl 16.51%; N 13.05%; S 14.93%

Physical Description: Prisms (EtOH)

Melting Point: Mp 152°

References:

Hunter, R.F. *et al.*, *J.C.S.*, 1927, 1209-1213, (*synth*, *N,N-di-Me*)

Gupta, K.A. *et al.*, *Indian J. Chem., Sect. B*, 1982, **21**, 228-233, (*synth*)

Varma, R.S. *et al.*, *J. Indian Chem. Soc.*, 1989, **66**, 39-41, (*synth*)