



>>Entry Name: (4-Chlorophenyl)urea, 9Cl

CAS Registry Number: 140-38-5

Structure by analogy with (2-Chlorophenyl)urea, [DXD21-F](#)

Molecular Formula: C₇H₇ClN₂O

Molecular Weight: 170.598

Accurate Mass: 170.02469

Percentage Composition: C 49.28%; H 4.14%; Cl 20.78%; N 16.42%; O 9.38%

Physical Description: Needles or prisms (H₂O)

Melting Point: Mp 204-207°. Mp 212 dec.°

Other Data: Mp varies with rate of heating, giving *N,N*-Bis(4-chlorophenyl)urea [DZH29-V](#)

Rare Chemicals Library: S44122-8

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

see *N*-(4-Chlorophenyl)-*N,N*-dimethylurea, [FDC98-O](#)

References:

Young, G. *et al.*, *J.C.S.*, 1908, 1052, (*synth*)

Boivin, J.L. *et al.*, *Can. J. Chem.*, 1951, **29**, 478; 1954, **32**, 561, (*synth, ir*)

Smith, R.L. *et al.*, *J. Med. Chem.*, 1961, **4**, 147; *CA*, **55**, 22608, (*uv, tox*)

Asabe, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1971, **44**, 3482, (*pmr*)