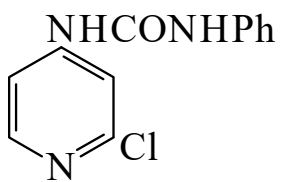




>>Entry Name: *N*-(2-Chloro-4-pyridinyl)-*N'*-phenylurea, 9Cl

Synonym(s): 1-(2-Chloro-4-pyridyl)-3-phenylurea. Forchlorfenuron, BSI



CAS Registry Number: 68157-60-8

Related CAS Registry Numbers(s): 97985-35-8

Molecular Formula: C₁₂H₁₀ClN₃O

Molecular Weight: 247.683

Accurate Mass: 247.051239

Percentage Composition: C 58.19%; H 4.07%; Cl 14.31%; N 16.97%; O 6.46%

Use/Importance: Plant growth regulator. Shows cytokinin activity

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 173-174°

Sigma: C2791

References:

Takahashi, S. *et al.*, *Phytochemistry*, 1978, **17**, 1201, (*synth, activity*)

Okamoto, T. *et al.*, *Chem. Pharm. Bull.*, 1981, **29**, 3748, (*activity*)

Henrie, R.N. *et al.*, *J. Agric. Food Chem.*, 1988, **36**, 626; 1989, **37**, 513, (*synth, activity*)

Pesticide Manual, 9th edn., 1991, No. 6725