



Product Information

Product ID F5766

CAS No. 68157-60-8

Chemical Name N-(2-chloro-4-pyridinyl)-N'-phenyl-Urea

Synonym KT-30

Formula C₁₂H₁₀ClN₃O

Formula Wt. 247.68

Melting Point 165-170 °C

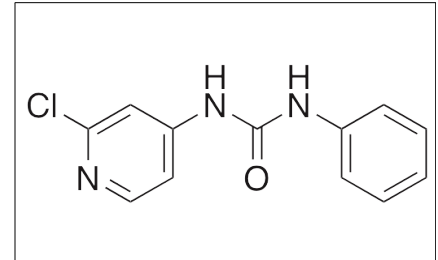
Purity ≥98%

Solubility Soluble in water (39 mg/L) at pH 6.4, ethanol (35 mg/mL), DMSO (100 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Forchlorfenuron is a synthetic cytokinin that inhibits septins and exhibits anti-parasitic, anticancer, and anti-angiogenic activities. Forchlorfenuron induces polymerization of filaments, causing paralysis in *Schistosoma*. This compound also inhibits proliferation and migration of prostate cancer cells by inducing degradation of HIF-1α in a proteasome-dependent manner. Forchlorfenuron is commonly used as a plant growth regulator.



Bulk quantities available upon request

Product ID	Size
F5766	100 mg
F5766	500 mg
F5766	1 g
F5766	5 g

References Zeraik AE, Galkin VE, Rinaldi G, et al. Reversible paralysis of *Schistosoma mansoni* by forchlorfenuron, a phenylurea cytokinin that affects septins. *Int J Parasitol.* 2014 Apr 21. [Epub ahead of print]. PMID: 24768753.

Vardi-Oknin D, Golan M, Mabweesh NJ. Forchlorfenuron disrupts SEPT9_i1 filaments and inhibits HIF-1. *PLoS One.* 2013 Aug 19;8(8):e73179. PMID: 23977378.

Hu Q, Nelson WJ, Spiliotis ET. Forchlorfenuron alters mammalian septin assembly, organization, and dynamics. *J Biol Chem.* 2008 Oct 24;283(43):29563-71. PMID: 18713753.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.