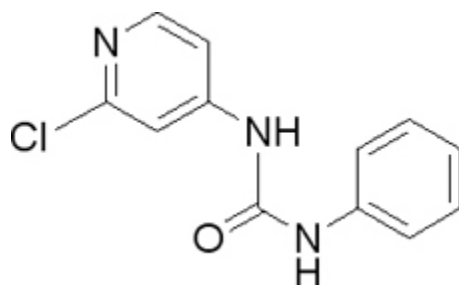




Product Information Sheet

C279



4-CPPU

Synonym: N-(2-Chloro-4-pyridyl)-N-phenylurea; Forchlorfenuron (FCF)

CAS: 68157-60-8

Formula: C₁₂H₁₀ClN₃O

Molecular Wt: 247.7

Properties

Form: Powder

Appearance: White to Beige

Application: Cytokinin, Plant Growth Regulator

Solubility: DMSO

Typical Working Concentration: Varies with application, should be determined by end user.

Storage Temp: -20 to 0° C

Storage Temp of Stock Solution: -20 to 0° C

Other Notes: Plant Tissue Culture Tested

Application Notes

4-CPPU is a synthetic cytokinin. It shows high activity in inducing parthenocarpy in Chinese white-flowered gourd (*Lagenaria leucantha*) (Roussos et al., 2011).

Can be used in somatic embryogenesis applications (Fiore et al., 2002).

References

Fiore S, F De Pasquale, F Carimi, & M Sajeve (2002) Effect of 2,4-D and 4-CPPU on somatic embryogenesis from stigma and style transverse thin cell layers of Citrus. *Plant Cell, Tissue and Organ Culture*; 68(1), pp 57-63.

Roussos PA, G. Dimitriou and A. E. Voloudakis (2011) Short communication. N-(2-chloro-4-pyridyl)-N-phenylurea (4-CPPU) enhances in vitro direct shoot organogenesis of Citrus aurantium L. epicotyl segments compared to other commonly used cytokinins. *Span J Agric Res* 9(2), 504-509.

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