



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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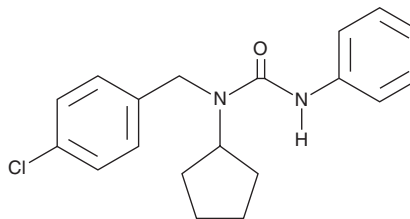
# PRODUCT INFORMATION



## Pencycuron

Item No. 36127

**CAS Registry No.:** 66063-05-6  
**Formal Name:** N-[(4-chlorophenyl)methyl]-N-cyclopentyl-N'-phenyl-urea  
**MF:** C<sub>19</sub>H<sub>21</sub>ClN<sub>2</sub>O  
**FW:** 328.8  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 241 nm  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Pencycuron is supplied as a solid. A stock solution may be made by dissolving the pencycuron in the solvent of choice, which should be purged with an inert gas. Pencycuron is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of pencycuron in these solvents is approximately 10 and 25 mg/ml, respectively.

### Description

Pencycuron is a phenylurea fungicide.<sup>1</sup> It is active against the plant pathogenic fungi *G. graminis*, *R. oryzae*, and *R. solani*, but not *P. intermedium* or *P. irregulare*, when used at concentrations of 1 and 10 µg/ml. In field studies, pencycuron applied at 125 mg AI/m reduces the incidence of *R. solani*-induced stem canker and black scurf on potatoes.<sup>2</sup>

### References

1. Duffy, B. Combination of pencycuron and *Pseudomonas fluorescens* strain 2-79 for integrated control of rhizoctonia root rot and take-all of spring wheat. *Crop Prot.* **19(1)**, 21-25 (2000).
2. Muzhinji, N., Woodhall, J.W., Truter, M., *et al.* Variation in Fungicide Sensitivity Among Rhizoctonia Isolates Recovered from Potatoes in South Africa. *Plant Dis.* **102(8)**, 1520-1526 (2018).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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