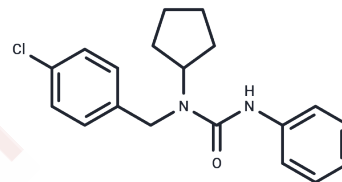


Pencycuron

Chemical Properties

CAS No. :	66063-05-6
Formula:	C ₁₉ H ₂₁ ClN ₂ O
Molecular Weight:	328.84
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Pencycuron (Monceren) is a phenylurea fungicide.
Targets(IC50)	Others,Antifungal
In vitro	Pencycuron is a non-systemic protective fungicide for controlling sheath blight of rice[1].

Solubility Information

Solubility	DMSO: 10 mg/mL (30.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.041 mL	15.205 mL	30.4099 mL
5 mM	0.6082 mL	3.041 mL	6.082 mL
10 mM	0.3041 mL	1.5205 mL	3.041 mL
50 mM	0.0608 mL	0.3041 mL	0.6082 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pal R , Chakrabarti K , Chakraborty A , et al. Dissipation of pencycuron in rice plant[J]. Journal of Zhejiang University-Science B(Biomedicine & Biotechnology), 2005, 6(8):756-758.

Wang Y S , Huang Y J , Chen W C , et al. Effect of carbendazim and pencycuron on soil bacterial community[J]. Journal of Hazardous Materials, 2009, 172(1):84-91.

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