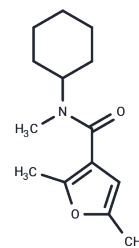


Antifungal agent 36

Chemical Properties

CAS No. :	34967-98-1
Formula:	C ₁₄ H ₂₁ NO ₂
Molecular Weight:	235.32
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Antifungal agent 36 is a 3-furamide antifungal agent that specifically inhibits Basidiomycetes. It is effective against various agricultural pathogens like smut and blight.
Targets(IC50)	Antifungal
In vitro	Antifungal agent 36 showed broad-spectrum activity against Basidiomycetes, significantly inhibiting <i>U. scitaminea</i> at 12 mg/L[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (339.96 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	4.2495 mL	21.2477 mL	42.4953 mL
5 mM	0.8499 mL	4.2495 mL	8.4991 mL
10 mM	0.425 mL	2.1248 mL	4.2495 mL
50 mM	0.085 mL	0.425 mL	0.8499 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

Ernst-Heinrich Pommer, et al. Substituted 3-furamides with specific activity against basidiomycetes. Pestic. Sci., 1977, 320-322.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481