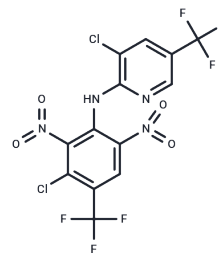


Fluazinam

Chemical Properties

CAS No. :	79622-59-6
Formula:	C ₁₃ H ₄ Cl ₂ F ₆ N ₄ O ₄
Molecular Weight:	465.09
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	Fluazinam is a pyridinamine fungicide with a broad spectrum of antifungal activity and had a strong inhibition effect on mycelial growth of <i>S. sclerotiorum</i> populations.
Targets(IC50)	Apoptosis,Bcl-2 Family,Caspase,Autophagy,Antifungal,JNK,p38 MAPK

Solubility Information

Solubility	DMSO: 125 mg/mL (268.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (8.6 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1501 mL	10.7506 mL	21.5012 mL
5 mM	0.430 mL	2.1501 mL	4.3002 mL
10 mM	0.215 mL	1.0751 mL	2.1501 mL
50 mM	0.043 mL	0.215 mL	0.430 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

Hou Y P , Mao X W , Wu L Y , et al. Impact of fluazinam on morphological and physiological characteristics of *Sclerotinia sclerotiorum*[J]. Pesticide Biochemistry and Physiology, 2019.

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