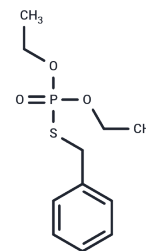


Kitazine

Chemical Properties

CAS No. :	13286-32-3
Formula:	C ₁₁ H ₁₇ O ₃ PS
Molecular Weight:	260.29
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	Kitazine is an organophosphorus chemical fungicide. It is mainly used to control rice blast and has a certain effect on rice Sclerotinia sclerotiorum, sheath blight, corn leaf spot, and spot disease.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8419 mL	19.2093 mL	38.4187 mL
5 mM	0.7684 mL	3.8419 mL	7.6837 mL
10 mM	0.3842 mL	1.9209 mL	3.8419 mL
50 mM	0.0768 mL	0.3842 mL	0.7684 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

Sayed RZ, Patel PR. Biocontrol Potential of Siderophore Producing Heavy Metal Resistant *Alcaligenes* sp. and *Pseudomonas aeruginosa* RZS3 vis-à-vis Organophosphorus Fungicide. *Indian J Microbiol.* 2011 Jul;51(3):266-72. doi: 10.1007/s12088-011-0170-x. Epub 2011 Mar 10. PubMed PMID: 22754001; PubMed Central PMCID: PMC3209905.

Lu QM. [Study on toxicity of kitazine (author's transl)]. *Zhonghua Yu Fang Yi Xue Za Zhi.* 1980 Nov;14(4):197-200. Chinese. PubMed PMID: 7238181.

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