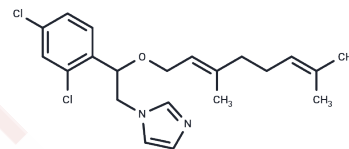


AFK-108

Chemical Properties

CAS No. : 135330-85-7
 Formula: C₂₁H₂₆Cl₂N₂O
 Molecular Weight: 393.35
 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	AFK-108 is a fungicide agent.
Targets(IC50)	Others,Antibiotic,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5423 mL	12.7113 mL	25.4227 mL
5 mM	0.5085 mL	2.5423 mL	5.0845 mL
10 mM	0.2542 mL	1.2711 mL	2.5423 mL
50 mM	0.0508 mL	0.2542 mL	0.5085 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

Hori K, Sakaguchi A, Kudoh M, Ishida K, Aoyama Y, Yoshida Y. Structure-activity relationships of a new antifungal imidazole, AFK-108, and related compounds. Chem Pharm Bull (Tokyo). 2000 Jan;48(1):60-4. PubMed PMID: 10705477.

Ito T, Aoyama Y, Ishida K, Kudoh M, Hori K, Tsuchiya S, Yoshida Y. Selectivity of isoprenoid-containing imidazole antifungal compounds for sterol 14-demethylase P450 (P450(14)DM) and 7-ethoxycoumarin O-deethylase P450 of rat liver microsomes. Biochem Pharmacol. 1994 Oct 18;48(8):1577-82. PubMed PMID: 7980623.

Aoyama Y, Ishida K, Hori K, Sakaguchi A, Kudoh M, Yoshida Y. Inhibition by a novel azole antifungal agent with a geranyl group on lanosterol 14 alpha-demethylase of yeast. Biochem Pharmacol. 1992 Nov 3;44(9):1701-5. PubMed PMID: 1449529.

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