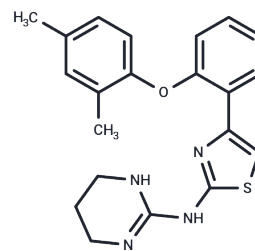


Abafungin

Chemical Properties

CAS No. :	129639-79-8
Formula:	C ₂₁ H ₂₂ N ₄ O ₅
Molecular Weight:	378.49
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	Abafungin (Bay w 6341) is an antifungal agent with a broad-spectrum.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 38.3 mg/mL (101.19 mM), Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 3.83 mg/mL (10.12 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.83 mg/mL (10.12 mM), Suspension. <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	2.6421 mL	13.2104 mL	26.4208 mL
5 mM	0.5284 mL	2.6421 mL	5.2842 mL
10 mM	0.2642 mL	1.321 mL	2.6421 mL
50 mM	0.0528 mL	0.2642 mL	0.5284 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

Rouf A, Tanyeli C. Bioactive thiazole and benzothiazole derivatives. *Eur J Med Chem.* 2015 Jun 5;97:911-27. doi: 10.1016/j.ejmech.2014.10.058. Epub 2014 Oct 22. Review. PubMed PMID: 25455640.

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