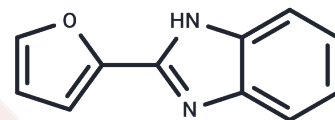


Fuberidazole

Chemical Properties

CAS No. :	3878-19-1
Formula:	C ₁₁ H ₈ N ₂ O
Molecular Weight:	184.19
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	Fuberidazole is an antifungal agent.
Targets(IC50)	Antifungal

Solubility Information

Solubility	H ₂ O: 0.07 mg/mL (0.38 mM), when pH is adjusted to 7. DMSO: 55 mg/mL (298.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 5 mg/mL (27.15 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	5.4292 mL	27.1459 mL	54.2918 mL
5 mM	1.0858 mL	5.4292 mL	10.8584 mL
10 mM	0.5429 mL	2.7146 mL	5.4292 mL
50 mM	0.1086 mL	0.5429 mL	1.0858 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

- Soliman LC, Donkor KK. Micellar electrokinetic chromatography method development for simultaneous determination of thiabendazole, carbendazim, and fuberidazole. *J Environ Sci Health B*. 2014;49(3):153-8.
- Piccirilli GN, Escandar GM. Second-order advantage with excitation-emission fluorescence spectroscopy and a flow-through optosensing device. Simultaneous determination of thiabendazole and fuberidazole in the presence of uncalibrated interferences. *Analyst*. 2010 Jun;135(6):1299-308.
- García Reyes JF, et al. Multiwavelength fluorescence based optosensor for simultaneous determination of fuberidazole, carbaryl and benomyl. *Talanta*. 2004 Oct 20;64(3):742-9.
- Picón Zamora D, et al. Correction of predicted concentration in the use of solvent-based calibration lines for determining carbendazim, fuberidazole and thiabendazole in water after a SPE step. *Talanta*. 2003 Jun 13;60(2-3):335-44.

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