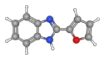
Product Data Sheet

Product Name: Fuberidazole
Cat. No.: GD12835

Chemical Properties

Cas. No.	3878-19-1		
Formula	C11H8N2O	M.Wt	184.194
Solubility	DMSO : 125 mg/mL (678.65 mM; ultrasonic and warming and heat to 60°C)	Storage	
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Fuberidazole (BAY 33172; Furidazole) is a fungicide. Fuberidazole shows a synergistic effect with cucurbituril (CB) macromolecules, such as CB7 and CB8. Studies have shown that, CB8 induces pKa shifts on Fuberidazole. Fuberidazole significantly inhibits the growth of B. cinerea.

Fuberidazole (FBZ) (10 渭M) shows pK_a shifts of 1.4 units in the present of CB8 (100 渭M) [1]. Fuberidazole (10-200 渭M; 72 h) exhibits an increasing growth inhibition rate on *B. cinerea*. And the CB7/CB8-bound Fuberidazole inhibits the growth of *B. cinerea* at least three times than Fuberidazole alone[1].

[1]. Saleh N, et al. Enhancement of in vitro fungicidal activity of fuberidazole to Botrytis cinerea by cucurbiturils. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 79: 301-309.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA