

Product Data Sheet

Product Name: Fuberidazole

Cat. No.: GD12835

Chemical Properties

Cas. No. 3878-19-1

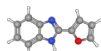
Formula C₁₁H₈N₂O M.Wt 184.194

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.

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