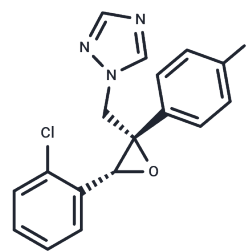


Epoxiconazole

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 133855-98-8 |
| Formula: | C ₁₇ H ₁₃ ClFN ₃ O |
| Molecular Weight: | 329.76 |
| 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 | Epoxiconazole (BAS-480F) is a 14- α demethylase inhibitor. It inhibits ergosterol synthesis and fungal cell wall formation. |
| Targets(IC50) | Apoptosis,Antifungal |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 142.8 mg/mL (433.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Saline: 10 mg/mL (30.33 mM),Solution. <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 | 3.0325 mL | 15.1625 mL | 30.3251 mL |
| 5 mM | 0.6065 mL | 3.0325 mL | 6.065 mL |
| 10 mM | 0.3033 mL | 1.5163 mL | 3.0325 mL |
| 50 mM | 0.0607 mL | 0.3033 mL | 0.6065 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

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