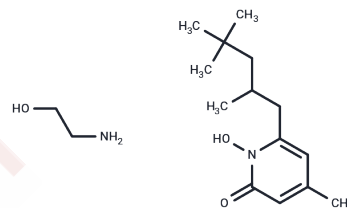


Piroctone olamine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 68890-66-4 |
| Formula: | C ₁₆ H ₃₀ N ₂ O ₃ |
| Molecular Weight: | 298.42 |
| 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 | Piroctone olamine (Piroctone ethanolamine) is a compound sometimes used in the treatment of fungal infections. Piroctone olamine is the ethanolamine salt of the hydroxamic acid derivative piroctone. |
| Targets(IC50) | Antibiotic,Antifungal |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 18.52 mg/mL (62.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.35 mM),Sonication is recommended. 10% DMSO+90% Saline: 1.85 mg/mL (6.2 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 | 3.351 mL | 16.7549 mL | 33.5098 mL |
| 5 mM | 0.6702 mL | 3.351 mL | 6.702 mL |
| 10 mM | 0.3351 mL | 1.6755 mL | 3.351 mL |
| 50 mM | 0.067 mL | 0.3351 mL | 0.6702 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

Dubini F, et al. Arzneimittelforschung. 2005;55(8):478-83.

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