

AN2718

Chemical Properties

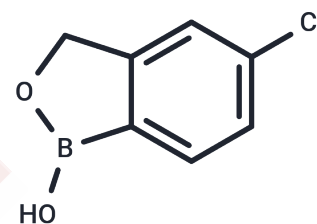
CAS No. : 174672-06-1

Formula: C₇H₆BClO₂

Molecular Weight: 168.39

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| | |
|---------------|---|
| Description | AN2718 inhibits protein synthesis through the OBORT mechanism and displays broad antifungal effectiveness. |
| Targets(IC50) | Antifungal |
| In vitro | AN2718 inhibits leucyl-tRNA synthetase (LeuRS) from molds and yeasts (IC50s = 2 and 4.2 μ M for <i>A. fumigatus</i> and <i>C. albicans</i> LeuRS, respectively) |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 60 mg/mL (356.32 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 5.9386 mL | 29.693 mL | 59.3859 mL |
| 5 mM | 1.1877 mL | 5.9386 mL | 11.8772 mL |
| 10 mM | 0.5939 mL | 2.9693 mL | 5.9386 mL |
| 50 mM | 0.1188 mL | 0.5939 mL | 1.1877 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.

Reference

Aditya K Gupta., et al. Investigation of Al drugs for onychomycosis. Expert Opin Investig Drugs. 2014 Jan;23(1):97-106.

Tang Y, Yang C, Liu C, et al. Development of an effective meropenem/KPC-2 inhibitor combination to combat infections caused by carbapenem-resistant *K. pneumoniae*. International Journal of Antimicrobial Agents. 2024; 107268.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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