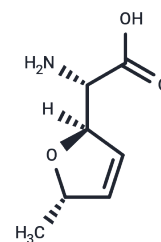


Furanomycin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 18455-25-9 |
| Formula: | C ₇ H ₁₁ NO ₃ |
| Molecular Weight: | 157.17 |
| 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 | Furanomycin is an analog of isoleucine. |
| Targets(IC50) | Others, Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 6.3625 mL | 31.8127 mL | 63.6254 mL |
| 5 mM | 1.2725 mL | 6.3625 mL | 12.7251 mL |
| 10 mM | 0.6363 mL | 3.1813 mL | 6.3625 mL |
| 50 mM | 0.1273 mL | 0.6363 mL | 1.2725 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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- Trippe K, McPhail K, Armstrong D, Azevedo M, Banowetz G. *Pseudomonas fluorescens* SBW25 produces furanomycin, a non-proteinogenic amino acid with selective antimicrobial properties. *BMC Microbiol*. 2013 May 20;13:111. doi: 10.1186/1471-2180-13-111. Erratum in: *BMC Microbiol*. 2013;13:263. PubMed PMID: 23688329; PubMed Central PMCID: PMC3662646.
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- VanBrunt MP, Standaert RF. A short total synthesis of (+)-furanomycin. *Org Lett*. 2000 Mar 9;2(5):705-8. PubMed PMID: 10814415.

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