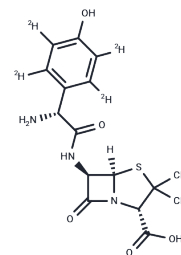


Amoxicillin D4

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2673270-36-3 |
| Formula: | C ₁₆ H ₁₅ D ₄ N ₃ O ₅ S |
| Molecular Weight: | 369.43 |
| 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 | Amoxicillin-D4 is a deuterium-labeled Amoxicillin. Amoxicillin (T1005) is an antibiotic with broad-spectrum antimicrobial activity. |
| Targets(IC50) | Antibacterial, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7069 mL | 13.5344 mL | 27.0687 mL |
| 5 mM | 0.5414 mL | 2.7069 mL | 5.4137 mL |
| 10 mM | 0.2707 mL | 1.3534 mL | 2.7069 mL |
| 50 mM | 0.0541 mL | 0.2707 mL | 0.5414 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

Geddes AM, et al. Introduction: historical perspective and development of amoxicillin/clavulanate. Int J Antimicrob Agents. 2007 Dec;30 Suppl 2:S109-12.

Handsfield HH, et al. Amoxicillin, a new penicillin antibiotic. Antimicrob Agents Chemother. 1973 Feb;3(2):262-5.

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