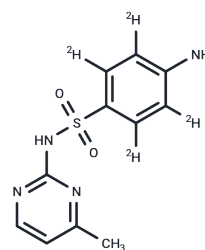


Sulfamerazine-D4

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1020719-84-9 |
| Formula: | C ₁₁ H ₁₂ N ₄ O ₂ S |
| Molecular Weight: | 268.33 |
| 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 | Sulfamerazine-D4 is of dihydrofolic acid by competing with para-aminobenzoic acid (PABA) for the binding site on dihydropteroate synthase. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.7268 mL | 18.6338 mL | 37.2675 mL |
| 5 mM | 0.7454 mL | 3.7268 mL | 7.4535 mL |
| 10 mM | 0.3727 mL | 1.8634 mL | 3.7268 mL |
| 50 mM | 0.0745 mL | 0.3727 mL | 0.7454 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

Aday B, et al. Synthesis of novel sulfonamide analogs containing sulfamerazine/sulfaguanidine and their biological activities. J Enzyme Inhib Med Chem. 2016 Dec;31(6):1005-10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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