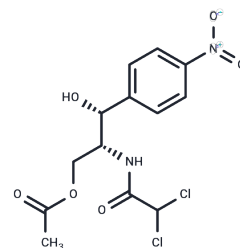


Chloramphenicol Acetate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 10318-16-8 |
| Formula: | C ₁₃ H ₁₄ Cl ₂ N ₂ O ₆ |
| Molecular Weight: | 365.16 |
| 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 | Chloramphenicol acetate, an acetylated and inactive derivative of chloramphenicol, is synthesized in <i>E. coli</i> and <i>S. aureus</i> through the action of the inducible enzyme chloramphenicol acetyltransferase, utilizing acetyl coenzyme A (acetyl-CoA), to impart resistance to chloramphenicol. This compound exhibits no antibiotic activity against <i>S. sonnei</i> in turbidimetric assays. |
| Targets(IC50) | Others,Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7385 mL | 13.6926 mL | 27.3853 mL |
| 5 mM | 0.5477 mL | 2.7385 mL | 5.4771 mL |
| 10 mM | 0.2739 mL | 1.3693 mL | 2.7385 mL |
| 50 mM | 0.0548 mL | 0.2739 mL | 0.5477 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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