

Chloramphenicol, USP Grade

Product Information

| Product Name | Cat# | Size |
|----------------------------|-----------|-------|
| Chloramphenicol, USP Grade | 60205ES08 | 5 g |
| | 60205ES25 | 25 g |
| | 60205ES60 | 100 g |

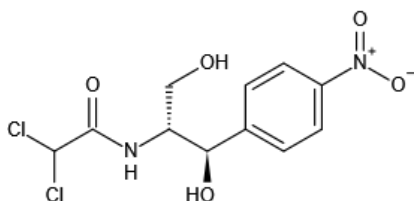
Product Description

Chloramphenicol is a broad spectrum antibiotic which inhibits translation on the 50S ribosomal subunit at the peptidyltransferase step and preventing attachment of aminoacyl tRNA to the ribosome. It is usually bacteriostatic and effective against a wide range of gram-positive and gram-negative organisms. In addition, Chloramphenicol exhibits anti-rickettsial activity and is active against chlamydias of the psittacosis-lymphogranuloma group. Chloramphenicol acetyltransferase (CAT) catalyzes the acetylation of chloramphenicol, causing resistance to chloramphenicol. Chloramphenicol is often used for bacterial selection in molecular biology applications at 10-20 µg/mL and as a selection agent for transformed cells containing chloramphenicol resistance genes.

Product Properties

| | |
|-------------------------|---|
| Synonyms | Chloromycetin, Chlornitromycin, Levomycetin |
| CAS# | 56-75-7 |
| Formula | C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅ |
| Molecular Weight | 323.13 |
| Appearance | White crystalline powder |
| Grade | USP |
| Solubility | Soluble in ethanol: ≥ 150 mg/mL |

Structure



Shipping and Storage

The product is shipped with ice pack and can be stored at 2-8°C for 2 years. Aqueous stock solutions can be stored at -80°C for 6 months. Avoid repeated freeze-thaw cycles.

Cautions

1. The solution should not be autoclaved.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.