

Data sheet

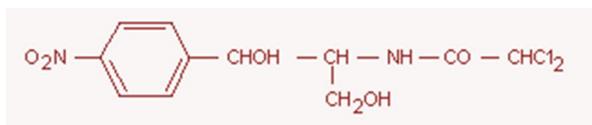
Chloramphenicol

Cat. No: AB003

Cat. No: AB004

Introduction

Chloramphenicol (D(-)-three-2 - dichloroacetamido - 1 - p - nitro - phenyl-1,3-propanediol) is an antibiotic originally isolated from the soil bacterium *Streptomyces venezuelae*. It has a broad spectrum antibiotic (bacteriostatic) active against a wide variety of gram-positive and gram-negative bacteria, including most anaerobic organisms. Chloramphenicol blocks bacterial protein synthesis by inhibiting the peptidyl transferase activity of the 50S ribosomal subunit (elongation inhibition).



Technical specification

- ✓ CAS Number: 56-75-7
- ✓ Chemical Formula: C₁₁H₁₂Cl₂N₂O₅
- ✓ Molecular Weight: 323.13
- ✓ Appearance: White or slightly yellow needle crystals or crystalline
- ✓ Loss on drying: < 0.5%
- ✓ Soluble in water (2.5 g/l) at 25 °C, methanol, ethanol, butanol, ethyl acetate, acetone, DMSO, and propylene glycol (150.8 mg/ml)

Product Size

	AB003	AB004
Chloramphenicol	25g	50g

Storage conditions

Store at **-20° C**

Application

- ✓ Used in researching protein synthesis.
- ✓ Used to select for chloramphenicol-resistant transformed cells or the bacterial CAT gene.
- ✓ Used in chloramphenicol acetyl transferase (CAT) assay.

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.canvaxbiotech.com for Material Safety Data Sheet of the product.

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Notes

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