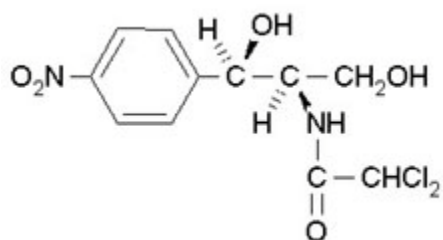




Product Information Sheet

C2010



Chloramphenicol Solution, 10 mg/mL

Synonym: [R-(R*,R*)]-2,2-Dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide, Chloromycetin, CAP

CAS: 56-75-7

Formula: C₁₁H₁₂Cl₂N₂O₅

Molecular Wt: 323.13

Properties

Form: Liquid

Appearance: Clear, Colorless

Application: Antibiotic

Solubility: Miscible with Water

Typical Working Concentration: Consult the appropriate literature for your plant species and application.

Storage Temp: -20 to 0°C

Other Notes: Derived from *Streptomyces venezuelae*. Plant Tissue Culture Tested

Application Notes

Chloramphenicol is derived from *Streptomyces Venezuelae* and has a broad spectrum of activity. It is often used for bacterial selection in molecular biology. Chloramphenicol is effective against gram-positive and gram-negative bacteria. It functions by binding to the 50S ribosomal unit to prevent aminoacyl tRNA from binding to the ribosome which prevents elongation of protein chain.

References

Sweetman SC (ed), *Martindale: The Complete Drug Reference* 35. China: Pharmaceutical Press, 2007.

PhytoTechnology Laboratories®

P.O. Box 12205 • Shawnee Mission, KS • 66282-2205

Phone: 1-913-341-5343 or 1-888-749-8682 (U.S. Only) Fax: 1-913-341-5442 or 1-888-449-8682 (U.S. Only)

Web Site: www.phytotechlab.com

© 2014 PhytoTechnology Laboratories®