



Hygromycin B solution (1000x) (1ml)

SKU: CC-0009

(For Research Use Only)

Introduction

Hygromycin B is an aminoglycoside antibiotic widely used as a selective agent in molecular and cellular biology research. It functions by inhibiting protein synthesis, specifically interfering with the translocation step on both prokaryotic and eukaryotic ribosomes. This mode of action makes Hygromycin B highly effective for the selection and maintenance of genetically modified cells harboring the hygromycin resistance gene (hph).

Product description

Hygromycin B solution (1000X) is a ready-to-use 1000x stock solution for cell culture maintenance. Directly dilute 1:1000 in complete growth media for a 1X solution at 50ug/ml.

Storage and Handling

Store Hygromycin B solution (1000X) at 4°C, protected from light.

Hygromycin B Working Solution Preparation

1. The product is supplied as a 1000X stock solution, ready for direct dilution.
2. Dilute the 1000X Hygromycin B stock solution in cell culture medium to the desired final 1X working concentration.
 - **Example:** add 10 µL of 1000X Hygromycin B solution to 10 mL of medium for 10 cm dish culture.
3. Mix gently to ensure even distribution.