Canvax Reagents, S.L.U.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

DATA SHEET

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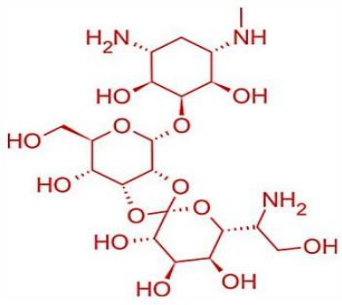
1. Identification

Product name **Hygromycin B Solution**
10 mL (50mg/mL)

Cat. No **AB033**

2. Description

Hygromycin B is an aminoglycoside antibiotic isolated from Streptomyces hygroscopicus that inhibits the growth of prokaryotic and eukaryotic cells. It acts by interfering with ribosomal translocation and with aminoacyltRNA recognition.



3. Specifications

- CAS Number: 31282-04-9
- Chemical Formula: $C_{20}H_{37}N_3O_{13}$
- Molecular Weight: 527.52
- Purity (HPLC): > 92%
- Potency: > 1,000U/mg
- Prepared in sterile PBS
- Sterile-filtered, ready-to-use solution

4. Storage specifications

Store at 4˚C.

5. Applications

- Hygromycin B is widely used for the selection and maintenance of prokaryotic and eukaryotic cells transfected with the hygromycin resistance gene (hyg or hph)
- Hygromycin B is commonly used to study protein synthesis.

6. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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