

DATA SHEET

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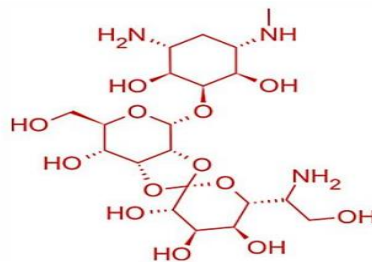
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1. Identification

Product name Hygromycin B
1g
Cat. No AB030

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 aminoacyl-tRNA 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

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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