

# Data sheet

## Hygromycin B

Cat. No: AB030

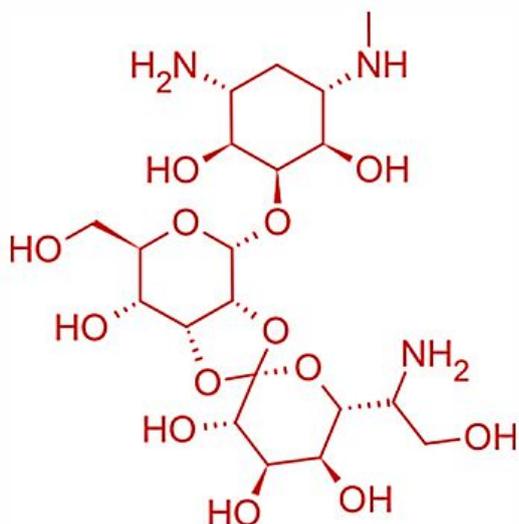
Cat. No: AB031

Cat. No: AB033

Cat. No: AB034

### Introduction

**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.



### Technical specification

- ✓ **CAS Number:** 31282-04-9
- ✓ **Chemical Formula:** C<sub>20</sub>H<sub>37</sub>N<sub>3</sub>O<sub>13</sub>
- ✓ **Molecular Weight:** 527.52
- ✓ **Purity (HPLC):** > 92%
- ✓ **Potency:** > 1,000U/mg

### 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](http://www.canvaxbiotech.com) for Material Safety Data Sheet of the product.

### Product Size

	AB030	AB031
Hygromycin B (powder):	1g	5g
	AB033	AB034
Hygromycin B (solution):	10 ml	50 ml

### Storage conditions

Store at **4C**

### Application

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

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## Notes

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