

hygromycin B 4-O-kinase

Cat. No. EXWM-2993

Lot. No. (See product label)

Introduction

Description Phosphorylates the antibiotic hygromycin B. Whereas the enzyme from *Streptomyces hygrosopicus* (EC 2.7.1.119; hygromycin-B 7"-O-kinase) catalyses the formation of 7"-O-phosphohygromycin B, this enzyme, found in *Escherichia coli* carrying a plasmid conferring resistance to hygromycin-B, forms 4-O-phosphohygromycin B.

Synonyms hygromycin-B kinase (ambiguous)

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.1.163

Reaction $\text{ATP} + \text{hygromycin B} = \text{ADP} + 4\text{-O-phosphohygromycin B}$

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.