Creative Enzymes®

23S rRNA (guanine2535-N1)-methyltransferase

Cat. No. EXWM-1810

Lot. No. (See product label)

Introduction

Description	Streptomyces viridochromogenes produces the antibiotic avilamycin A which binds to the 50S ribosomal subunit to inhibit protein synthesis. To protect itself from the antibiotic, Streptomyces viridochromogenes utilizes two methyltransferases, 23S rRNA (guanine2535-N1)-methyltransferase and EC 2.1.1.208 [23S rRNA (uridine2479-2-O)-methyltransferase], whose actions confer avilamycin resistance to the RNA.
Synonyms	AviRa

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.209
Reaction	S-adenosyl-L-methionine + guanine2535 in 23S rRNA = S-adenosyl-L-homocysteine + N1-methylguanine2535 in 23S rRNA
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.