Creative Enzymes®

β-(isoxazolin-5-on-4-yl)-L-alanine synthase

Cat. No. EXWM-2735

Lot. No. (See product label)

Introduction

Description	3-(5-Oxoisoxazolin-4-yl)-L-alanine is an antifungal antibiotic produced by the bacterium Streptomyces platensis. The enzymes from the plants Lathyrus odoratus (sweet pea), L. sativus (grass pea) and Citrullus vulgaris (watermelon) that catalyse EC 2.5.1.118 (β-(isoxazolin-5-on-2-yl)-L-alanine synthase) also catalyse this reaction in vitro, but not in vivo. Closely related and possibly identical to EC 2.5.1.47, cysteine synthase, and EC 2.5.1.51, β-pyrazolylalanine synthase.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.119
Reaction	O-acetyl-L-serine + isoxazolin-5-one = 3-(5-oxoisoxazolin-4-yl)-L-alanine + acetate
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 ℃.