

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