Creative Enzymes®

uracilylalanine synthase

Cat. No. EXWM-2790

Lot. No. (See product label)

Introduction

Description	The enzyme produces the non-proteinogenic amino acid L-willardiine, which is naturally found in the plants Acacia willardiana, Mimosa pigra, and Pisum sativum (pea). The enzyme from Pisum species also produces L-isowillardiine. Not identical with EC 2.5.1.47 cysteine synthase.
Synonyms	O3-acetyl-L-serine acetate-lyase (adding uracil); isowillardiine synthase; willardiine synthase; 3-O-acetyl-L-serine:uracil 1-(2-amino-2-carboxyethyl)transferase; O3-acetyl-L-serine:uracil 1-(2-amino-2-carboxyethyl)transferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.53
CAS No.	113573-73-2
Reaction	O-acetyl-L-serine + uracil = 3-(uracil-1-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 ℃.