

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