

## enamidase

Cat. No. EXWM-4501

Lot. No. (See product label)

### Introduction

#### Description

Contains iron and Zn<sup>2+</sup>. Forms part of the nicotinate-fermentation catabolism pathway in *Eubacterium barkeri*. Other enzymes involved in this pathway are EC 1.17.1.5 (nicotinate dehydrogenase), EC 1.3.7.1 (6-hydroxynicotinate reductase), EC 1.1.1.291 (2-hydroxymethylglutarate dehydrogenase), EC 5.4.99.4 (2-methyleneglutarate mutase), EC 5.3.3.6 (methylitaconate  $\Delta$ -isomerase), EC 4.2.1.85 (dimethylmaleate hydratase) and EC 4.1.3.32 (2,3-dimethylmalate lyase).

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.5.2.18

**Reaction** 6-oxo-1,4,5,6-tetrahydronicotinate + 2 H<sub>2</sub>O = 2-formylglutarate + NH<sub>3</sub>

**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.