Creative Enzymes®

enamidase

Cat. No. EXWM-4501

Lot. No. (See product label)

Introduction

Description	Contains iron and Zn2+.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 Δ-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 H2O = 2-formylglutarate + NH3
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 ℃.