Creative Enzymes®

barbiturase

Cat. No. EXWM-4492

Lot. No. (See product label)

Introduction

Description	Contains zinc and is specific for barbiturate as substrate. Forms part of the oxidative pyrimidine-degrading pathway in some microorganisms, along with EC 1.17.99.4 (uracil/thymine dehydrogenase) and EC 3.5.1.95 (N-malonylurea hydrolase). It was previously thought that the end-products of the reaction were malonate and urea but this has since been disproved. May be involved in the regulation of pyrimidine metabolism, along with EC 2.4.2.9, uracil phosphoribosyltransferase.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.2.1
CAS No.	9025-16-5
Reaction	barbiturate + H2O = 3-oxo-3-ureidopropanoate
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 ℃.