Creative Enzymes®

aspartoacylase

Cat. No. EXWM-4404

Lot. No. (See product label)

Introduction

Description Aspartoacylase (EC 3.5.1.15, aminoacylase II, N-acetylaspartate amidohydrolase, acetyl-aspartic deaminase, acylase II, ASPA) is a hydrolase enzyme responsible for catalyzing the deacylation of N-acetyl-l-aspartate (N-acetylaspartate,NAA) into aspartate and acetate. It is a zinc-dependent hydrolase that promotes the deprotonation of water to use as a nucleophile in a mechanism analogous to many other zinc-dependent hydrolases. It is most commonly found in the brain, where it controls the levels of N-actetyl-l-aspartate.

Synonyms aminoacylase II; N-acetylaspartate amidohydrolase; acetyl-aspartic deaminase; acylase II

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.5.1.15

CAS No. 9031-86-1

Reaction N-acyl-L-aspartate + H2O = a carboxylate + L-aspartate

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 ℃.