Creative Enzymes®

cyanoalanine nitrilase

Cat. No. EXWM-4580

Lot. No. (See product label)

Introduction

Description	L-Asparagine is formed as an intermediate. cf. EC 4.2.1.65, 3-cyanoalanine hydratase and EC 3.5.1.1, asparaginase.
Synonyms	β-cyanoalanine nitrilase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.5.4
CAS No.	85638-44-4
Reaction	3-cyano-L-alanine + 2 H2O = L-aspartate + NH3 (overall reaction); (1a) 3-cyano-L-alanine + H2O = L-asparagine; (1b) L-asparagine + H2O = L-aspartate + 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 ℃.