Creative Enzymes®

mycothiol S-conjugate amidase

Cat. No. EXWM-4395

Lot. No. (See product label)

Introduction

Description	The enzyme that is found in actinomycetes is involved in the detoxification of oxidizing agents and electrophilic antibiotics. The enzyme has low activity with 1-O-(2-acetamido-2-deoxy-α-D-glucopyranosyl)-1D-myo-inositol as substrate (cf. EC 3.5.1.103, N-acetyl-1-D-myo-inositol-2-amino-2-deoxy-α-D-glucopyranoside deacetylase).
Synonyms	MCA

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.115
Reaction	a mycothiol S-conjugate + H2O = an N-acetyl L-cysteine-S-conjugate + 1-O-(2-amino-2-deoxy-α-D-glucopyranosyl)-1D-myo-inositol
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 ℃.