

## 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- $\alpha$ -D-glucopyranosyl)-1D-myo-inositol as substrate (cf. EC 3.5.1.103, N-acetyl-1-D-myo-inositol-2-amino-2-deoxy- $\alpha$ -D-glucopyranoside deacetylase).

#### Synonyms

MCA

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.5.1.115

#### Reaction

a mycothiol S-conjugate + H<sub>2</sub>O = an N-acetyl L-cysteine-S-conjugate + 1-O-(2-amino-2-deoxy- $\alpha$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.