

N-acetyl-1-D-myo-inositol-2-amino-2-deoxy- α -D-glucopyranoside deacetylase

Cat. No. EXWM-4382

Lot. No. (See product label)

Introduction

Description

This enzyme is considered the key enzyme and rate limiting step in the mycothiol biosynthesis pathway. In addition to acetylase activity, the enzyme possesses weak activity of EC 3.5.1.115, mycothiol S-conjugate amidase, and shares sequence similarity with that enzyme. The enzyme requires a divalent transition metal ion for activity, believed to be Zn²⁺.

Synonyms

MshB

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.1.103

Reaction

1-O-(2-acetamido-2-deoxy- α -D-glucopyranosyl)-1D-myo-inositol + H₂O = 1-O-(2-amino-2-deoxy- α -D-glucopyranosyl)-1D-myo-inositol + acetate

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.