

scytalidopepsin B

Cat. No. EXWM-4270

Lot. No. (See product label)

Introduction

Description

A second endopeptidase from *Scytalidium lignicolum* (see scytalidopepsin A) that is insensitive to pepstatin and methyl 2-diazoacetamidohexanoate. 1,2-Epoxy-3-(p-nitrophenoxy)propane reacts with Glu53, which replaces one of the aspartic residues at the active centre. One of the smallest aspartic endopeptidases active as the monomer, with Mr 22,000. Similarly inhibitor-resistant endopeptidases are found in the basidiomycetes *Lentinus edodes* and *Ganoderma lucidum*, and in *Polyporus tulipiferae*, a second endopeptidase distinct from polyporopepsin, but these are of typical aspartic endopeptidase size, Mr about 36,000. Type example of peptidase family G1.

Synonyms

Scytalidium aspartic proteinase B; *Ganoderma lucidum* carboxyl proteinase; *Ganoderma lucidum* aspartic proteinase; *Scytalidium lignicolum* aspartic proteinase B; SLB

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.23.32

CAS No.

104781-89-7

Reaction

Hydrolysis of proteins with broad specificity, cleaving Phe24↓Phe, but not Leu15-Tyr and Phe25-Tyr in the B chain of insulin

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.