

hercynylcysteine S-oxide synthase

Cat. No. EXWM-1061

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺ for activity. The enzyme, found in fungal species, is part of a fusion protein that also has the activity of EC 2.1.1.44, L-histidine N α -methyltransferase. It is part of the biosynthesis pathway of ergothioneine. The enzyme can also use L-selenocysteine to produce hercynylselenocysteine, which can be converted to selenoneine.

Synonyms

Egt1; Egt-1

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.99.51

Reaction

hercynine + L-cysteine + O₂ = S-(hercyn-2-yl)-L-cysteine S-oxide + H₂O

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.