

phospholipid-hydroperoxide glutathione peroxidase

Cat. No. EXWM-0493

Lot. No. (See product label)

Introduction

Description

A protein containing a selenocysteine residue. The products of action of EC 1.13.11.12 lipoxygenase on phospholipids can act as acceptors; H₂O₂ can also act, but much more slowly (cf. EC 1.11.1.9 glutathione peroxidase).

Synonyms

peroxidation-inhibiting protein; PHGPX; peroxidation-inhibiting protein:peroxidase,glutathione (phospholipid hydroperoxide-reducing); phospholipid hydroperoxide glutathione peroxidase; hydroperoxide glutathione peroxidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.11.1.12

CAS No.

97089-70-8

Reaction

2 glutathione + a hydroperoxy-fatty-acyl-[lipid] = glutathione disulfide + a hydroxy-fatty-acyl-[lipid] + 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.