

pyrethroid hydrolase

Cat. No. EXWM-3517

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in degradation of pyrethroid pesticides. The enzymes from *Sphingobium* sp., *Klebsiella* sp. and *Aspergillus niger* hydrolyse cis-permethrin at approximately equal rate to trans-permethrin. The enzyme from mouse hydrolyses trans-permethrin at a rate about 22-fold higher than cis-permethrin.

Synonyms

pyrethroid-hydrolyzing carboxylesterase; pyrethroid-hydrolysing esterase; pyrethroid-hydrolyzing esterase; pyrethroid-selective esterase; pyrethroid-cleaving enzyme; permethrinase; PytH; EstP

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.1.1.88

Reaction

trans-permethrin + H₂O = (3-phenoxyphenyl)methanol + (1S,3R)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

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.