

leukotriene-A4 hydrolase

Cat. No. EXWM-4003

Lot. No. (See product label)

Introduction

Description

This is a bifunctional zinc metalloprotease that displays both epoxide hydrolase and aminopeptidase activities. It preferentially cleaves tripeptides at an arginyl bond, with dipeptides and tetrapeptides being poorer substrates (see EC 3.4.11.6, aminopeptidase B). It also converts leukotriene A4 into leukotriene B4, unlike EC 3.3.2.10, soluble epoxide hydrolase, which converts leukotriene A4 into 5,6-dihydroxy-7,9,11,14-icosatetraenoic acid. In vertebrates, five epoxide-hydrolase enzymes have been identified to date: EC 3.3.2.6 (leukotriene A4 hydrolase), EC 3.3.2.7 (hepoxilin-epoxide hydrolase), EC 3.3.2.9 (microsomal epoxide hydrolase), EC 3.3.2.10 (soluble epoxide hydrolase) and EC 3.3.2.11 (cholesterol-5,6-oxide hydrolase).

Synonyms

LTA4 hydrolase; LTA4H; leukotriene A4 hydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.3.2.6

CAS No.

90119-07-6

Reaction

leukotriene A4 + H₂O = leukotriene B4

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.