Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.