Creative Enzymes®

hepoxilin-epoxide hydrolase

Cat. No. EXWM-4004

Lot. No. (See product label)

Introduction

Description	Converts hepoxilin A3 into trioxilin A3. Highly specific for the substrate, having only slight activity with other epoxides such as leukotriene A4 and styrene oxide. Hepoxilin A3 is an hydroxy-epoxide derivative of arachidonic acid that is formed via the 12-lipoxygenase pathway. It is probable that this enzyme plays a modulatory role in inflammation, vascular physiology, systemic glucose metabolism and neurological function. 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	hepoxilin epoxide hydrolase; hepoxylin hydrolase; hepoxilin A3 hydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.3.2.7
CAS No.	122096-98-4
Reaction	hepoxilin A3 + H2O = trioxilin A3
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 ℃.