

## 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; hepoxilin 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 + H<sub>2</sub>O = 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.