

## alkylglycerol monooxygenase

Cat. No. EXWM-0957

Lot. No. (See product label)

### Introduction

#### Description

The enzyme cleaves alkylglycerols, but does not cleave alkenylglycerols (plasmalogens). Requires non-heme iron, reduced glutathione and phospholipids for full activity. The product spontaneously breaks down to form a fatty aldehyde and glycerol.

#### Synonyms

glyceryl-ether monooxygenase; glyceryl-ether cleaving enzyme; glyceryl ether oxygenase; glyceryl etherase; O-alkylglycerol monooxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.16.5

#### CAS No.

37256-82-9

#### Reaction

$1\text{-O-alkyl-sn-glycerol} + \text{tetrahydrobiopterin} + \text{O}_2 = 1\text{-O-(1-hydroxyalkyl)-sn-glycerol} + \text{dihydrobiopterin} + \text{H}_2\text{O}$

#### 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.