

## 3-hydroxybenzoate 2-monooxygenase

Cat. No. EXWM-1041

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on paired donors, with O<sub>2</sub> as oxidant and incorporation or reduction of oxygen. The oxygen incorporated need not be derive from O miscellaneous. The systematic name of this enzyme class is 3-hydroxybenzoate,hydrogen-donor:oxygen oxidoreductase (2-hydroxylating). Other names in common use include 3-hydroxybenzoate 2-hydroxylase, and 3-HBA-2-hydroxylase. This enzyme participates in benzoate degradation via hydroxylation.

#### Synonyms

3-hydroxybenzoate 2-hydroxylase; 3-HBA-2-hydroxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.99.23

#### CAS No.

73507-96-7

#### Reaction

3-hydroxybenzoate + AH<sub>2</sub> + O<sub>2</sub> = 2,3-dihydroxybenzoate + A + H<sub>2</sub>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.