

## 2,4'-dihydroxyacetophenone dioxygenase

Cat. No. EXWM-0561

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on single donors with O<sub>2</sub> as oxidant and incorporation of two atoms of oxygen into the substrate (oxygenases). The oxygen incorporated need not be derived from O<sub>2</sub>. The systematic name of this enzyme class is 2,4'-dihydroxyacetophenone oxidoreductase (C-C-bond-cleaving). This enzyme is also called (4-hydroxybenzoyl)methanol oxygenase. This enzyme participates in bisphenol a degradation.

#### Synonyms

(4-hydroxybenzoyl)methanol oxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.13.11.41

#### CAS No.

257617-97-3

#### Reaction

2,4'-dihydroxyacetophenone + O<sub>2</sub> = 4-hydroxybenzoate + formate

#### 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.