

## benzene 1,2-dioxygenase

Cat. No. EXWM-0692

Lot. No. (See product label)

### Introduction

#### Description

A system, containing a reductase which is an iron-sulfur flavoprotein (FAD), an iron-sulfur oxygenase and ferredoxin. Requires Fe<sup>2+</sup>.

#### Synonyms

benzene hydroxylase; benzene dioxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.12.3

#### CAS No.

9075-66-5

#### Reaction

benzene + NADH + H<sup>+</sup> + O<sub>2</sub> = cis-cyclohexa-3,5-diene-1,2-diol + NAD<sup>+</sup>

#### 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.