

## toluene dioxygenase

Cat. No. EXWM-0680

Lot. No. (See product label)

### Introduction

#### Description

A system, containing a reductase which is an iron-sulfur flavoprotein (FAD), an iron-sulfur oxygenase, and a ferredoxin. Some other aromatic compounds, including ethylbenzene, 4-xylene and some halogenated toluenes, are converted into the corresponding cis-dihydrodiols.

#### Synonyms

toluene 2,3-dioxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.12.11

#### CAS No.

120038-36-0

#### Reaction

toluene + NADH + H<sup>+</sup> + O<sub>2</sub> = (1S,2R)-3-methylcyclohexa-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.