

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⁺ + O₂ = (1S,2R)-3-methylcyclohexa-3,5-diene-1,2-diol + NAD⁺

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.