

cis-1,2-dihydrobenzene-1,2-diol dehydrogenase

Cat. No. EXWM-1293

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-CH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is cis-1,2-dihydrobenzene-1,2-diol:NAD⁺ oxidoreductase. Other names in common use include cis-benzene glycol dehydrogenase, cis-1,2-dihydrocyclohexa-3,5-diene (nicotinamide adenine, and dinucleotide) oxidoreductase. This enzyme participates in 4 metabolic pathways: gamma-hexachlorocyclohexane degradation, toluene and xylene degradation, naphthalene and anthracene degradation, and styrene degradation.

Synonyms

cis-benzene glycol dehydrogenase; cis-1,2-dihydrocyclohexa-3,5-diene (nicotinamide adenine dinucleotide) oxidoreductase;

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.1.19

CAS No.

51923-03-6

Reaction

cis-1,2-dihydrobenzene-1,2-diol + NAD⁺ = catechol + NADH + H⁺

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.