

## 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<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is cis-1,2-dihydrobenzene-1,2-diol:NAD<sup>+</sup> 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<sup>+</sup> = catechol + NADH + H<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.