Creative Enzymes®

cis-3,4-dihydrophenanthrene-3,4-diol dehydrogenase

Cat. No. EXWM-1321

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-3,4-dihydrophenanthrene-3,4-diol:NAD+ 3,4-oxidoreductase. This enzyme participates in naphthalene and anthracene degradation.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.49
CAS No.	118390-61-7
Reaction	(+)-cis-3,4-dihydrophenanthrene-3,4-diol + NAD+ = phenanthrene-3,4-diol + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.