Creative Enzymes®

(3S,4R)-3,4-dihydroxycyclohexa-1,5-diene-1,4-dicarboxylate dehydrogenase

Cat. No. EXWM-1324

Lot. No. (See product label)

Introduction

Description	Requires FeII. Involved in the terephthalate degradation pathway in bacteria.
Synonyms	(1R,2S)-dihydroxy-3,5-cyclohexadiene-1,4-dicarboxylate dehydrogenase; terephthalate 1,2-cis-dihydrodiol dehydrogenase; cis-4,5-dihydroxycyclohexa-1(6),2-diene-1,4-dicarboxylate:NAD+ oxidoreductase (decarboxylating)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.53
CAS No.	162032-77-1
Reaction	(3S,4R)-3,4-dihydroxycyclohexa-1,5-diene-1,4-dicarboxylate + NAD+ = 3,4-dihydroxybenzoate + CO2 + NADH
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 ℃.