Creative Enzymes®

glutarate-semialdehyde dehydrogenase

Cat. No. EXWM-1126

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD+ or NADP+ as acceptor. The systematic name of this enzyme class is glutarate-semialdehyde:NAD+ oxidoreductase. This enzyme is also called glutarate semialdehyde dehydrogenase. This enzyme participates in lysine degradation.
Synonyms	glutarate semialdehyde dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.20
CAS No.	9028-99-3
Reaction	5-oxopentanoate + NAD+ + H2O = glutarate + NADH + 2 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 ℃.