

serine 2-dehydrogenase

Cat. No. EXWM-1461

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH₂ group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is L-serine:NAD⁺ 2-oxidoreductase (deaminating). Other names in common use include L-serine:NAD⁺ oxidoreductase (deaminating), and serine dehydrogenase.

Synonyms

L-serine:NAD oxidoreductase (deaminating); serine dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.4.1.7

CAS No.

9038-55-5

Reaction

L-serine + H₂O + NAD⁺ = 3-hydroxypyruvate + NH₃ + 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.