

serine 3-dehydrogenase (NADP+)

Cat. No. EXWM-0183

Lot. No. (See product label)

Introduction

Description NAD⁺ cannot replace NADP⁺ [cf. EC 1.1.1.387, serine 3-dehydrogenase (NAD⁺)].

Synonyms serine 3-dehydrogenase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.1.1.276

CAS No. 9038-55-5

Reaction L-serine + NADP⁺ = 2-aminoacetaldehyde + CO₂ + NADPH + H⁺ (overall reaction); (1a) L-serine + NADP⁺ = 2-aminomalonate semialdehyde + NADPH + H⁺; (1b) 2-aminomalonate semialdehyde = 2-aminoacetaldehyde + CO₂ (spontaneous)

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.