

prephenate dehydrogenase (NADP+)

Cat. No. EXWM-1287

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 prephenate:NADP⁺ oxidoreductase (decarboxylating). Other names in common use include prephenate dehydrogenase, prephenate (nicotinamide adenine dinucleotide phosphate), dehydrogenase, and prephenate dehydrogenase (NADP). This enzyme participates in phenylalanine, tyrosine and tryptophan biosynthesis.

Synonyms prephenate dehydrogenase; prephenate (nicotinamide adenine dinucleotide phosphate) dehydrogenase; prephenate dehydrogenase (NADP)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.3.1.13

CAS No. 37251-11-9

Reaction prephenate + NADP⁺ = 4-hydroxyphenylpyruvate + CO₂ + NADPH

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.