

2-dehydro-3-deoxy-D-gluconate 6-dehydrogenase

Cat. No. EXWM-0030

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is 2-dehydro-3-deoxy-D-gluconate:NADP⁺ 6-oxidoreductase. Other names in common use include 2-keto-3-deoxy-D-gluconate dehydrogenase, and 2-keto-3-deoxygluconate dehydrogenase.

Synonyms

2-keto-3-deoxy-D-gluconate dehydrogenase; 2-keto-3-deoxygluconate dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.126

CAS No.

37250-55-8

Reaction

2-dehydro-3-deoxy-D-gluconate + NADP⁺ = (4S,5S)-4,5-dihydroxy-2,6-dioxohexanoate + NADPH + 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.