

2-dehydro-3-deoxy-D-gluconate 5-dehydrogenase

Cat. No. EXWM-0031

Lot. No. (See product label)

Introduction

Description The enzyme from Pseudomonas acts equally well on NAD⁺ or NADP⁺, while that from Erwinia chrysanthemi and Escherichia coli is more specific for NAD⁺.

Synonyms 2-keto-3-deoxygluconate 5-dehydrogenase; 2-keto-3-deoxy-D-gluconate dehydrogenase; 2-keto-3-deoxygluconate (nicotinamide adenine dinucleotide (phosphate)) dehydrogenase; 2-keto-3-deoxy-D-gluconate (3-deoxy-D-glycero-2,5-hexodiulosonic acid) dehydrogenase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.1.1.127

CAS No. 37250-56-9

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