

3-dehydro-L-gulonate 2-dehydrogenase

Cat. No. EXWM-0034

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 3-dehydro-L-gulonate:NAD(P)⁺ 2-oxidoreductase. Other names in common use include 3-keto-L-gulonate dehydrogenase, 3-ketogulonate dehydrogenase, 3-keto-L-gulonate dehydrogenase, and 3-ketogulonate dehydrogenase. This enzyme participates in pentose and glucuronate interconversions and ascorbate and aldarate metabolism.

Synonyms

3-keto-L-gulonate dehydrogenase; 3-ketogulonate dehydrogenase; 3-keto-L-gulonate dehydrogenase; 3-ketogulonate dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.130

CAS No.

37250-61-6

Reaction

3-dehydro-L-gulonate + NAD(P)⁺ = (4R,5S)-4,5,6-trihydroxy-2,3-dioxohexanoate + NAD(P)H + 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.