

3-dehydroquinate synthase

Cat. No. EXWM-5198

Lot. No. (See product label)

Introduction

Description

Requires Co^{2+} and bound NAD^+ . The hydrogen atoms on C-7 of the substrate are retained on C-2 of the product.

Synonyms

5-dehydroquinate synthase; 5-dehydroquinic acid synthetase; dehydroquinate synthase; 3-dehydroquinate synthetase; 3-deoxy-arabino-heptulosonate-7-phosphate phosphate-lyase (cyclizing); 3-deoxy-arabino-heptulonate-7-phosphate phosphate-lyase (cyclizing); 3-deoxy-arabino-heptulonate-7-phosphate phosphate-lyase (cyclizing); 3-dehydroquinate-forming

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.3.4

CAS No.

37211-77-1

Reaction

3-deoxy-D-arabino-hept-2-ulosonate 7-phosphate = 3-dehydroquinate + phosphate

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.