

## 3-dehydroquinate synthase

Cat. No. EXWM-5198

Lot. No. (See product label)

### Introduction

**Description** Requires  $\text{Co}^{2+}$  and bound  $\text{NAD}^+$ . 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  $+4\text{ }^{\circ}\text{C}$  for short term. For long term storage, store it at  $-20\text{ }^{\circ}\text{C}\sim-80\text{ }^{\circ}\text{C}$ .