Creative Enzymes®

2-amino-3,7-dideoxy-D-threo-hept-6-ulosonate synthase

Cat. No. EXWM-2026

Lot. No. (See product label)

Introduction

Description	The enzyme plays a key role in an alternative pathway of the biosynthesis of 3-dehydroquinate (DHQ), which is involved in the canonical pathway for the biosynthesis of aromatic amino acids. The enzyme can also catalyse the reaction of EC 4.1.2.13, fructose-bisphosphate aldolase.
Synonyms	ADH synthase; ADHS; MJ0400 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.2.1.10
Reaction	L-aspartate 4-semialdehyde + 1-deoxy-D-threo-hexo-2,5-diulose 6-phosphate = 2-amino-3,7-dideoxy-D-threo-hept-6-ulosonate + 2,3-dioxopropyl 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.