

uridine-5'-phosphate dioxygenase

Cat. No. EXWM-0668

Lot. No. (See product label)

Introduction

Description

The enzyme catalyses a net dephosphorylation and oxidation of UMP to generate 5'-dehydrouridine, the first intermediate in the biosynthesis of the unusual aminoribosyl moiety found in several C7-furanosyl nucleosides such as A-90289s, caprazamycins, liposidomycins, muraymycins and FR-900453. Requires Fe²⁺.

Synonyms

lipL (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.49

Reaction

UMP + 2-oxoglutarate + O₂ = 5'-dehydrouridine + succinate + CO₂ + 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.