

pseudouridylate synthase

Cat. No. EXWM-5056

Lot. No. (See product label)

Introduction

Description

The reaction is readily reversible. While the enzymes from *Tetrahymena pyriformis* and *Agrobacterium tumefaciens* produce pseudouridine 5'-phosphate the enzyme from *Escherichia coli* functions as a pseudouridine-5'-phosphate glycosidase in vivo.

Synonyms

pseudouridylic acid synthetase; pseudouridine monophosphate synthetase; 5-ribosyluracil 5-phosphate synthetase; pseudouridylate synthetase; epsilonUMP synthetase; uracil hydro-lyase (adding D-ribose 5-phosphate); YeiN; pseudouridine-5'-phosphate glycosidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.1.70

CAS No.

9023-35-2

Reaction

uracil + D-ribose 5-phosphate = pseudouridine 5'-phosphate + H₂O

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.