

pyrimidine-nucleoside phosphorylase

Cat. No. EXWM-2647

Lot. No. (See product label)

Introduction

Description

Unlike EC 2.4.2.3, uridine phosphorylase, and EC 2.4.2.4, thymidine phosphorylase, this enzyme can accept both the ribonucleoside uridine and the 2'-deoxyribonucleosides 2'-deoxyuridine and thymidine. The reaction is reversible, and the enzyme does not distinguish between α -D-ribose 1-phosphate and 2-deoxy- α -D-ribose 1-phosphate in the synthetic direction.

Synonyms

Py-NPase; pdp (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.2.2

CAS No.

9055-35-0

Reaction

(1) uridine + phosphate = uracil + α -D-ribose 1-phosphate; (2) thymidine + phosphate = thymine + 2-deoxy- α -D-ribose 1-phosphate; (3) 2'-deoxyuridine + phosphate = uracil + 2-deoxy- α -D-ribose 1-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.