Creative Enzymes®

galactose-1-phosphate thymidylyltransferase

Cat. No. EXWM-3243

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of transferases, specifically those transferring phosphorus-containing nucleotide groups (nucleotidyltransferases). The systematic name of this enzyme class is dTTP:alpha-D-galactose-1-phosphate thymidylyltransferase. Other names in common use include dTDP galactose pyrophosphorylase, galactose 1-phosphate thymidylyl transferase, thymidine diphosphogalactose pyrophosphorylase, thymidine triphosphate:alpha-D-galactose 1-phosphate, and thymidylyltransferase. This enzyme participates in nucleotide sugars metabolism.
Synonyms	dTDP galactose pyrophosphorylase; galactose 1-phosphate thymidylyl transferase; thymidine diphosphogalactose pyrophosphorylase; thymidine triphosphate:α-D-galactose 1-phosphate thymidylyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.32
CAS No.	9023-25-0
Reaction	dTTP + α-D-galactose 1-phosphate = diphosphate + dTDP-galactose
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 ℃.