

GDP-L-colitose synthase

Cat. No. EXWM-0272

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in biosynthesis of L-colitose, a 3,6-dideoxyhexose found in the O-antigen of Gram-negative lipopolysaccharides, where it catalyses the reaction in the reverse direction. The enzyme also performs the NAD(P)H-dependent epimerisation at C-5 of the sugar. The enzyme from *Yersinia pseudotuberculosis* is Si-specific with respect to NAD(P)H.

Synonyms

ColC

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.356

Reaction

$\text{GDP-}\beta\text{-L-colitose} + \text{NAD(P)}^+ = \text{GDP-4-dehydro-3,6-dideoxy-}\alpha\text{-D-mannose} + \text{NAD(P)H} + \text{H}^+$

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.