

UDP-2,3-diacetamido-2,3-dideoxyglucuronic acid 2-epimerase

Cat. No. EXWM-5409

Lot. No. (See product label)

Introduction

Description

This enzyme participates in the biosynthetic pathway for UDP- α -D-ManNAc3NAcA (UDP-2,3-diacetamido-2,3-dideoxy- α -D-mannuronic acid), an important precursor of the B-band lipopolysaccharide of *Pseudomonas aeruginosa* serotype O5 and of the band-A trisaccharide of *Bordetella pertussis*, both important respiratory pathogens. The enzyme is highly specific as UDP- α -D-GlcNAc, UDP- α -D-GlcNAcA (UDP-2-acetamido-2-deoxy- α -D-glucuronic acid) and UDP- α -D-GlcNAc3NAc (UDP-2,3-diacetamido-2,3-dideoxy- α -D-glucose) cannot act as substrates.

Synonyms

UDP-GlcNAc3NAcA 2-epimerase; UDP- α -D-GlcNAc3NAcA 2-epimerase; 2,3-diacetamido-2,3-dideoxy- α -D-glucuronic acid 2-epimerase; Wbpl; WlbD

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 5.1.3.23

Reaction

UDP-2,3-diacetamido-2,3-dideoxy- α -D-glucuronate = UDP-2,3-diacetamido-2,3-dideoxy- α -D-mannuronate

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.