Creative Enzymes®

# dTDP-4-dehydro-6-deoxy-D-glucose 3-epimerase

*Cat. No. EXWM-5413*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | The enzyme is involved in the biosynthetic pathway of dTDP-6-deoxy-α-D-allose, which is converted to mycinose after attachment to the aglycones of several macrolide antibiotics, including tylosin, chalcomycin, dihydrochalcomycin, and mycinamicin II. |
| ***Synonyms*** | dTDP-deoxyglucose 3-epimerase; dTDP-4-keto-6-deoxy-D-glucose 3-epimerase; dTDP-4-keto-6-deoxyglucose 3-epimerase; gerF (gene name); tylJ (gene name); chmJ (gene name); mydH (gene name) |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 5.1.3.27 |
| ***Reaction*** | dTDP-4-dehydro-6-deoxy-α-D-glucose = dTDP-4-dehydro-6-deoxy-α-D-gulose |
| ***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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |