Creative Enzymes®

dTDP-4-amino-2,3,4,6-tetradeoxy-D-glucose N,N-dimethyltransferase

Cat. No. EXWM-1932

Lot. No. (See product label)

Introduction

Description	The enzyme was isolated from the bacterium Saccharopolyspora spinosa, where it is involved in the biosynthesis of spinosyn A, an active ingredient of several commercial insecticides.
Synonyms	SpnS; TDP-4-amino-2,3,6-trideoxy-D-glucose N,N-dimethyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.324
Reaction	2 S-adenosyl-L-methionine + dTDP-4-amino-2,3,4,6-tetradeoxy-α-D-erythro-hexopyranose = 2 S-adenosyl-L-homocysteine + dTDP-α-D-forosamine (overall reaction); (1a) S-adenosyl-L-methionine + dTDP-4-amino-2,3,4,6-tetradeoxy-α-D-erythro-hexopyranose = S-adenosyl-L-homocysteine + dTDP-4-(methylamino)-2,3,4,6-tetradeoxy-α-D-erythro-hexopyranose; (1b) 2 S-adenosyl-L-methionine + dTDP-4-(methylamino)-2,3,4,6-tetradeoxy-α-D-erythro-hexopyranose = 2 S-adenosyl-L-homocysteine + dTDP-α-D-forosamine
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 ℃.