

2'-deamino-2'-hydroxyneamine 1- α -D-kanosaminyltransferase

Cat. No. EXWM-2536

Lot. No. (See product label)

Introduction

Description

Involved in the biosynthetic pathway of kanamycins. The enzyme characterized from the bacterium *Streptomyces kanamyceticus* can also accept UDP- α -D-glucose with lower efficiency.

Synonyms

kanE (gene name); kanM2 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.301

Reaction

(1) UDP- α -D-kanosamine + 2'-deamino-2'-hydroxyneamine = UDP + kanamycin A;
(2) UDP- α -D-kanosamine + neamine = UDP + kanamycin B; (3) UDP- α -D-kanosamine + paromamine = UDP + kanamycin C; (4) UDP- α -D-kanosamine + 2'-deamino-2'-hydroxyparomamine = UDP + kanamycin X

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.