

phosphonoformate cytidyltransferase

Cat. No. EXWM-3307

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Streptomyces viridochromogenes*, participates in the biosynthesis of the herbicide antibiotic bialaphos. The enzyme from the bacterium *Kitasatospora phosalacinea* participates in the biosynthesis of the related compound phosalacine. Both compounds contain the nonproteinogenic amino acid L-phosphinothricin that acts as a potent inhibitor of EC 6.3.1.2, glutamine synthetase.

Synonyms

phpF (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.7.93

Reaction

CTP + phosphonoformate = CMP-5'-phosphonoformate + diphosphate

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.