Creative Enzymes®

phosphonoformate cytidylyltransferase

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.