Creative Enzymes®

deacetoxycephalosporin-C hydroxylase

Cat. No. EXWM-0643

Lot. No. (See product label)

Introduction

Description	Requires iron(II). The enzyme can also use 3-exomethylenecephalosporin C as a substrate to form deacetoxycephalosporin C, although more slowly. In Acremonium chrysogenum, the enzyme forms part of a bifunctional protein along with EC 1.14.20.1, deactoxycephalosporin-C synthase. It is a separate enzyme in Streptomyces clavuligerus.
Synonyms	deacetylcephalosporin C synthase; 3'-methylcephem hydroxylase; DACS; DAOC hydroxylase; deacetoxycephalosporin C hydroxylase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.11.26
CAS No.	69772-89-0
Reaction	deacetoxycephalosporin C + 2-oxoglutarate + O2 = deacetylcephalosporin C + succinate + CO2
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 ℃.