

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, deacetoxycephalosporin-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.