

## 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 + O<sub>2</sub> = deacetylcephalosporin C + succinate + CO<sub>2</sub>

**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.