

acetylacetone-cleaving enzyme

Cat. No. EXWM-0569

Lot. No. (See product label)

Introduction

Description

An Fe(II)-dependent enzyme. Forms the first step in the acetylacetone degradation pathway of *Acinetobacter johnsonii*. While acetylacetone is by far the best substrate, heptane-3,5-dione, octane-2,4-dione, 2-acetylcyclohexanone and ethyl acetoacetate can also act as substrates.

Synonyms

Dke1; acetylacetone dioxygenase; diketone cleaving dioxygenase; diketone cleaving enzyme

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.50

CAS No.

524047-53-8

Reaction

pentane-2,4-dione + O₂ = acetate + 2-oxopropanal

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.