Creative Enzymes®

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