Creative Enzymes®

2-oxo-acid reductase

Cat. No. EXWM-0459

Lot. No. (See product label)

Introduction

Description	Contains [4Fe-4S] and a mononucleotide molybdenum (pyranopterin) cofactor. Has broad substrate specificity, with 2-oxo-monocarboxylates and 2-oxo-dicarboxylates acting as substrates. Branching in a substrate at the C-3 position results in loss of activity. The enzyme from Proteus sp. is inactivated by oxygen.
Synonyms	(2R)-hydroxycarboxylate-viologen-oxidoreductase; HVOR; 2-oxoacid reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.99.30
CAS No.	115299-99-5
Reaction	a (2R)-hydroxy-carboxylate + acceptor = a 2-oxo-carboxylate + reduced acceptor
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 ℃.