Creative Enzymes®

quinoline-4-carboxylate 2-oxidoreductase

Cat. No. EXWM-1424

Lot. No. (See product label)

Introduction

Description	A molybdenum-iron-sulfur flavoprotein with molybdopterin cytosine dinucleotide as the molybdenum cofactor. Quinoline, 4-methylquinoline and 4-chloroquinoline can also serve as substrates for the enzyme from Agrobacterium sp. 1B. Iodonitrotetrazolium chloride, thionine, menadione and 2,6-dichlorophenolindophenol can act as electron acceptors.
Synonyms	quinaldic acid 4-oxidoreductase; quinoline-4-carboxylate:acceptor 2-oxidoreductase (hydroxylating)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.99.19
CAS No.	175780-18-4
Reaction	quinoline-4-carboxylate + acceptor + H2O = 2-oxo-1,2-dihydroquinoline-4-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 ℃.