

quinaldate 4-oxidoreductase

Cat. No. EXWM-1423

Lot. No. (See product label)

Introduction

Description

The enzyme from *Pseudomonas* sp. AK2 also acts on quinoline-8-carboxylate, whereas that from *Serratia marcescens* 2CC-1 will oxidize nicotinate; quinaldate is a substrate for both of these enzymes. 2,4,6-Trinitrobenzene sulfonate, 1,4-benzoquinone, 1,2-naphthoquinone, nitroblue tetrazolium, thionine and menadione will serve as an electron acceptor for the former enzyme and ferricyanide for the latter; Meldola blue, iodonitrotetrazolium chloride, phenazine methosulfate, 2,6-dichlorophenolindophenol and cytochrome c will act as electron acceptors for both.

Synonyms

quinaldic acid 4-oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.99.18

CAS No.

149885-77-8

Reaction

quinaldate + acceptor + H₂O = kynurenate + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.