

nicotinate dehydrogenase

Cat. No. EXWM-1083

Lot. No. (See product label)

Introduction

Description A flavoprotein containing non-heme iron. The enzyme is capable of acting on a variety of nicotinate analogues to varying degrees, including pyrazine-2-carboxylate, pyrazine 2,3-dicarboxylate, trigonelline and 6-methylnicotinate. The enzyme from *Clostridium barkeri* also possesses a catalytically essential, labile selenium that can be removed by reaction with cyanide.

Synonyms nicotinic acid hydroxylase; nicotinate hydroxylase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.17.1.5

CAS No. 9059-03-4

Reaction $\text{nicotinate} + \text{H}_2\text{O} + \text{NADP}^+ = 6\text{-hydroxynicotinate} + \text{NADPH} + \text{H}^+$

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.