

S-(hydroxymethyl)mycothiol dehydrogenase

Cat. No. EXWM-0217

Lot. No. (See product label)

Introduction

Description

S-hydroxymethylmycothiol is believed to form spontaneously from formaldehyde and mycothiol. This enzyme oxidizes the product of this spontaneous reaction to S-formylmycothiol, in a reaction that is analogous to EC 1.1.1.284, S-(hydroxymethyl)glutathione dehydrogenase.

Synonyms

NAD/factor-dependent formaldehyde dehydrogenase; mycothiol-dependent formaldehyde dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.306

CAS No.

192140-85-5

Reaction

S-(hydroxymethyl)mycothiol + NAD⁺ = S-formylmycothiol + NADH + 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.