

sulfoacetaldehyde dehydrogenase

Cat. No. EXWM-1175

Lot. No. (See product label)

Introduction

Description

This reaction is part of a bacterial pathway that can utilize the amino group of taurine as a sole source of nitrogen for growth. At physiological concentrations, NAD⁺ cannot be replaced by NADP⁺. The enzyme is specific for sulfoacetaldehyde, as formaldehyde, acetaldehyde, betaine aldehyde, propanal, glyceraldehyde, phosphonoacetaldehyde, glyoxylate, glycolaldehyde and 2-oxobutyrate are not substrates.

Synonyms

SafD

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.73

Reaction

2-sulfoacetaldehyde + H₂O + NAD⁺ = sulfoacetate + NADH + 2 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.