

(S)-sulfolactate dehydrogenase

Cat. No. EXWM-0222

Lot. No. (See product label)

Introduction

Description

This enzyme, isolated from the bacterium *Chromohalobacter salexigens* DSM 3043, acts only on the (S)-enantiomer of 3-sulfolactate. Combined with EC 1.1.1.338, (2R)-3-sulfolactate dehydrogenase (NADP+), it provides a racemase system that converts (2S)-3-sulfolactate to (2R)-3-sulfolactate, which is degraded further by EC 4.4.1.24, (2R)-sulfolactate sulfo-lyase. The enzyme is specific for NAD+.

Synonyms

(2S)-3-sulfolactate dehydrogenase; SlcC

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.310

Reaction

(2S)-3-sulfolactate + NAD⁺ = 3-sulfo-pyruvate + 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.