

2-phosphosulfolactate phosphatase

Cat. No. EXWM-3676

Lot. No. (See product label)

Introduction

Description

Requires Mg²⁺. The enzyme from *Methanococcus jannaschii* acts on both stereoisomers of the substrate and also hydrolyses a number of phosphate monoesters of (S)-2-hydroxycarboxylic acids, including 2-phosphomalate, 2-phospholactate and 2-phosphoglycolate. This enzyme can also hydrolyse phosphate monoesters of (R)-2-hydroxycarboxylic acids such as (S)-2-phospho-3-sulfolactate and (R)-2-phosphomalate, which, presumably, bind to the enzyme in opposite orientations.

Synonyms

(2R)-phosphosulfolactate phosphohydrolase; ComB phosphatase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.1.3.71

CAS No.

409095-18-7

Reaction

(2R)-2-phospho-3-sulfolactate + H₂O = (2R)-3-sulfolactate + phosphate

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.