

taurine-pyruvate aminotransferase

Cat. No. EXWM-2917

Lot. No. (See product label)

Introduction

Description

The enzyme from the bacterium *Bilophila wadsworthia* requires pyridoxal 5'-phosphate as a cofactor, and catalyses a reversible reaction that starts an anaerobic taurine degradation pathway. β -Alanine is also a significant amino group donor. The enzyme from the bacterium *Pseudomonas denitrificans* PD1222 can also use hypotaurine, producing 2-sulfinacetaldehyde, which spontaneously hydrolyses to sulfite and acetaldehyde. Unlike, EC 2.6.1.55, taurine-2-oxoglutarate transaminase, 2-oxoglutarate cannot serve as an acceptor for the amino group.

Synonyms

Tpa

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.6.1.77

CAS No.

51901-18-9

Reaction

taurine + pyruvate = L-alanine + 2-sulfoacetaldehyde

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.