

anthranilate synthase

Cat. No. EXWM-4907

Lot. No. (See product label)

Introduction

Description

In some organisms, this enzyme is part of a multifunctional protein, together with one or more other components of the system for the biosynthesis of tryptophan [EC 2.4.2.18 (anthranilate phosphoribosyltransferase), EC 4.1.1.48 (indole-3-glycerol-phosphate synthase), EC 4.2.1.20 (tryptophan synthase) and EC 5.3.1.24 (phosphoribosylanthranilate isomerase)]. The native enzyme in the complex uses either glutamine or, less efficiently, NH₃. The enzyme separated from the complex uses NH₃ only.

Synonyms

anthranilate synthetase; chorismate lyase; chorismate pyruvate-lyase (amino-accepting); TrpE

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.3.27

CAS No.

9031-59-8

Reaction

chorismate + L-glutamine = anthranilate + pyruvate + L-glutamate

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.