

indole-3-glycerol-phosphate synthase

Cat. No. EXWM-4793

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 4.1.3.27 (anthranilate synthase), EC 4.2.1.20 (tryptophan synthase) and EC 5.3.1.24 (phosphoribosylanthranilate isomerase)].

Synonyms indoleglycerol phosphate synthetase; indoleglycerol phosphate synthase; indole-3-glycerophosphate synthase; 1-(2-carboxyphenylamino)-1-deoxy-D-ribulose-5-phosphate carboxy-lyase (cyclizing)

Product Information

Form Liquid or lyophilized powder

EC Number EC 4.1.1.48

CAS No. 9031-60-1

Reaction 1-(2-carboxyphenylamino)-1-deoxy-D-ribulose 5-phosphate = 1-C-(indol-3-yl)glycerol 3-phosphate + CO₂ + H₂O

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.