Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.