

2-amino-5-formylamino-6-ribosylaminopyrimidin-4(3H)-one 5'-monophosphate deformylase

Cat. No. EXWM-4381

Lot. No. (See product label)

Introduction

Description

The enzyme catalyses the second step in archaeal riboflavin and 7,8-didemethyl-8-hydroxy-5-deazariboflavin biosynthesis. The first step is catalysed by EC 3.5.4.29 (GTP cyclohydrolase IIa). The bacterial enzyme, EC 3.5.4.25 (GTP cyclohydrolase II) catalyses both reactions.

Synonyms

ArfB

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.1.102

Reaction

2-amino-5-formylamino-6-(5-phospho-D-ribosylamino)pyrimidin-4(3H)-one + H₂O = 2,5-diamino-6-(5-phospho-D-ribosylamino)pyrimidin-4(3H)-one + formate

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.