Creative Enzymes®

pyridoxal phosphatase

Cat. No. EXWM-3679

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. This enzyme is specific for phosphorylated vitamin B6 compounds: it acts not only on pyridoxal phosphate (PLP), but also on pyridoxine phosphate (PNP), pyridoxamine phosphate (PMP), 4-pyridoxic acid phosphate and 4-deoxypyridoxine phosphate. This reaction can also be carried out by EC 3.1.3.1 (alkaline phosphatase) and EC 3.1.3.2 (acid phosphatase), but these enzymes have very broad substrate specificities.
Synonyms	vitamine B6 (pyridoxine) phosphatase; PLP phosphatase; vitamin B6-phosphate phosphatase; PNP phosphatase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.3.74
CAS No.	9076-92-0
Reaction	pyridoxal 5'-phosphate + H2O = pyridoxal + phosphate
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 ℃.