

Pyridoxal 5'-phosphate

Cat. No. COEC-048

Lot. No. (See product label)

Introduction

Description

Pyridoxal 5'-phosphate is used as a cofactor for a wide range of enzymes including mitochondrial cysteine desulfurase, cystathionine γ -synthase (CGS), ornithine 4,5-aminomutase (OAM), and d-serine dehydratase. Pyridoxal 5'-phosphate is used in the studies of PLP-dependent enzyme active sites.

Applications

A normal coenzyme form of Vitamin B6

Synonyms

3-Hydroxy-2-methyl-5-([phosphonoxy]methyl)-4-pyridinecarboxaldehyde;
Codecarboxylase; PLP; Pyridoxal 5-phosphate

Product Information

Appearance

Crystalline powder

Form

Solid

CAS No.

853645-22-4

Molecular Formula

C₈H₁₀NO₆P

Molecular Weight

247.14

Purity

≥98%

Melting Point

140-143° C

Solubility

Soluble in 1M HCl (50 mg/ml)