

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 $\geq 98\%$

Melting Point 140-143° C

Solubility Soluble in 1M HCl (50 mg/ml)