

## 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  $\gamma$ -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** C<sub>8</sub>H<sub>10</sub>NO<sub>6</sub>P

**Molecular Weight** 247.14

**Purity**  $\geq$ 98%

**Melting Point** 140-143° C

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