

Pyridoxal-5'-phosphate monohydrate

Cat. No. COEC-044

Lot. No. (See product label)

Introduction

Description Pyridoxal-5'-phosphate monohydrate is a vitamin B6 metabolite that can modify lysyl and valyl residues in proteins. It has the ability to inhibit purinergic receptors and intracellular influx of Ca^{2+} . Pyridoxal-5'-phosphate monohydrate can modify peptides and suppress their precursor ionization efficiency. Research shows that pyridoxal-5'-phosphate-dependent enzymes can be inhibited by cycloserine.

Applications A vitamin B6 metabolite that can modify lysyl and valyl residues in proteins

Synonyms Codecarboxylase

Product Information

Appearance Powder

Form Solid

CAS No. 41468-25-1

Molecular Formula $\text{C}_8\text{H}_{10}\text{NO}_6\text{P} \cdot \text{H}_2\text{O}$

Molecular Weight 265.2

Purity $\geq 97\%$

Melting Point 140-143

Boiling Point 565.7°C

Solubility alkaline solutions; sparingly soluble in water