

Blood Phosphorus Concentration Assay Kit (Spectrophotometry)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder -20°C for 3 years
In solvent -80°C for 2 years

Actual storage temperature shall be subject to the COA.

Biological Description

Description

Blood phosphorus primarily refers to inorganic phosphorus in the blood, existing in the form of inorganic phosphate salts. The concentrations of calcium and phosphorus in plasma are closely related. When expressed in mg/dL, their product ($[Ca] \times [P]$) ranges from 30 to 40. When $([Ca] \times [P]) > 40$, calcium and phosphorus tend to deposit as bone salts in bone tissue; if $([Ca] \times [P]) < 35$, bone calcification is hindered, potentially leading to bone salt dissolution and affecting bone formation. The relative stability of blood calcium and phosphorus levels depends on the balance between calcium/phosphorus absorption and excretion, and the metabolic balance between calcification and decalcification. This balance is regulated by hormones such as Vitamin D3, parathyroid hormone, and calcitonin.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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