

## Blood Phosphorus Concentration Assay Kit (Microanalysis)

## 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, which exists in the form of inorganic phosphates. The concentrations of calcium and phosphorus in plasma are closely related. When expressed in mg/dL, the product of their concentrations ( $[Ca] \times [P]$ ) is 30-40. If  $([Ca] \times [P]) > 40$ , calcium and phosphorus are deposited as bone salt in bone tissue; if  $([Ca] \times [P]) < 35$ , bone calcification is hindered, and bone salt may even dissolve, affecting bone formation. The relative stability of blood calcium and phosphorus levels depends on the balance between the absorption/excretion of calcium and phosphorus and the metabolism of 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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