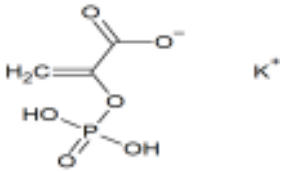
Phosphoenolpyruvate potassium salt

ALTERNATE NAME: PEP-K
2-(phosphonooxy)-2-propenoic acid, monopotassium salt

CATALOG #: B2674-250 250 mg
B2674-1000 1000 mg

STRUCTURE:



MOLECULAR FORMULA: $C_3H_4O_6P \cdot K$

MOLECULAR WEIGHT: 206.13

CAS NUMBER: 4265-07-0

APPEARANCE: White to off-white solid

PURITY: ≥95%

SOLUBILITY: ~10 mg/ml in PBS (pH 7.2)

DESCRIPTION: A useful substrate for pyruvate kinase. Phosphoenolpyruvic acid, monopotassium salt is involved in glycolysis and gluconeogeneis. In glycolysis, PEP is metabolized by Pyruvate Kinase to yield pyruvate. One molecule of ATP is formed during its metabolism in this pathway. During gluconeogenesis, it is formed from phosphoenolpyruvate carboxykinase-catalyzed oxaloacetate decarboxylation and GTP hydrolysis. In plants, PEP is involved in the formation of aromatic amino acids as well as in the carbon fixation pathway.

STORAGE TEMPERATURE: -20ºC. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

QuickDetect™ Pyruvate Kinase (Human) ELISA Kit (E4448)
Pyruvate Kinase Activity Colorimetric/Fluorometric Assay Kit (K709)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***