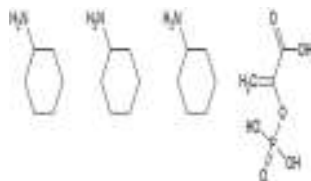


# Phosphoenolpyruvic Acid Tris(cyclohexylammonium) Salt

**ALTERNATE NAME:** Phosphoenolpyruvic acid tris(cyclohexylamine) salt  
PEP-3CHA  
2-(Phosphonoxy)-2-propenoic acid tri(cyclohexylammonium) salt

**CATALOG #:** B2675-100 100 mg  
B2675-500 500 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>3</sub>H<sub>5</sub>O<sub>6</sub>P · 3C<sub>6</sub>H<sub>13</sub>N

**MOLECULAR WEIGHT:** 465.56

**CAS NUMBER:** 35556-70-8

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98% (by titration)

**SOLUBILITY:** ~100 mg/ml Water

**DESCRIPTION:** Phospho(enol)pyruvic acid (PEP) is involved in glycolysis and gluconeogenesis. In glycolysis, PEP is metabolized by pyruvate kinase to yield pyruvate. In plants, PEP is involved in the formation of aromatic amino acids as well as in the carbon fixation pathway. PEP plays a major role in PEP:sugar phosphotransferase system (PTS) mediated phosphorylation and transport of carbohydrates across the bacterial membrane. It functions to generate natural phosphonates catalyzed by PEP mutase. It plays a key role in the peptidoglycan cell wall biosynthesis.

**STORAGE TEMPERATURE:** -20°C. 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:**

Pyruvate Kinase Activity Colorimetric/Fluorometric Assay Kit (K709)  
Phosphoenolpyruvate potassium salt (B2674)  
QuickDetect™ Pyruvate Kinase (Human) ELISA Kit (E4448)

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