
3-Phosphoglyceric Phosphokinase

产品编号: D10117

CAS: 9001-83-6

保存条件: Store at 2-8°C.

产品介绍: 级别: BR

CAS号: 9001-83-6

MDL: MFCD00130301

外观/性状: ammonium sulfate suspension, Crystalline suspension in 3.0 M (NH₄)₂SO₄ and 0.04 M tetrasodium pyrophosphate solution, pH 8.0

含量: 1.0-10.0 mg/mL

foreign activity: Glyceraldehyde-3-phosphate dehydrogenase ≤0.1%

Unit Definition: One unit will convert 1.0 μmole of 1,3-diphosphoglycerate to 3-phosphoglycerate per min at pH6.9 at 25°C.

Application: 3-Phosphoglyceric Phosphokinase generates ATP by catalyzing the transfer of a phosphate group from 1,3-diphosphoglycerate to ADP. 3-Phosphoglycerate Phosphokinase is used to study glycolysis and gluconeogenesis. It has also been used to study low molecular weight GTP-binding proteins[1] and mechanisms of inhibition of glyceraldehyde-3-phosphate dehydrogenase

. The enzyme has been used in the assay of glyceraldehyde-3-phosphate dehydrogenase.