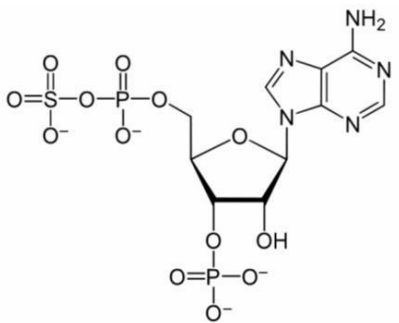


Specifications and Use

Name ♦ 3'-Phosphoadenosine-5'-phosphosulfate

Molecular Formula ♦ C₁₀H₁₅N₅O₁₃P₂S

Structure



Purity ♦ > 90% of the nucleotide based upon HPLC analysis.
♦ Free inorganic phosphate < 0.5%

Molecular Mass ♦ 507.266 Da

Quantity ♦ 0.5 mg (= 985.7 nmol)

Recommended assay conditions ♦ Suitable for kinetic assay of sulfotransferases using the Universal Sulfotransferase Activity Kit (Catalog # EA003).

Applications ♦ Kinetic assay for sulfotransferases.
♦ Enzymatic synthesis of sulfated molecules

Formulation ♦ Supplied as a stock solution in 25 mM Tris, 23% ethanol, pH 7.5 at 4.09 mg/mL or 8.06 mM.
♦ The concentration or volume may vary due to sublimation and evaporation, but the mass should be accurate.

Shipping ♦ The substrate is shipped with dry ice. Upon receiving, store it immediately at the temperature recommended below.

Storage ♦ Samples are stable for up to 6 months from date of receipt at -70° C.

Representative HPLC data

