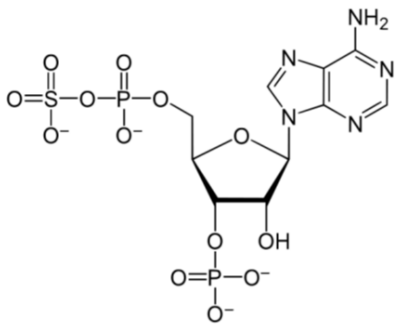


## Specifications and Use

**Name** ♦ 3'-Phosphoadenosine-5'-phosphosulfate

**Molecular Formula** ♦ C<sub>10</sub>H<sub>15</sub>N<sub>5</sub>O<sub>13</sub>P<sub>2</sub>S

**Structure**



**Purity** ♦ > 90% of the nucleotide based upon HPLC analysis.

♦ No Li<sup>+</sup> and Na<sup>+</sup>.

♦ 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 4.3 mg/mL or 8.5 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

