



LKT Laboratories, Inc.

4-Aminophenylphosphate Monosodium

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Product Information

Product ID A5030

CAS No. 52331-30-3

Chemical Name 4-aminobenzenephosphoric sodium

Synonym

Formula C₆H₇NO₄PNa

Formula Wt. 211.09

Melting Point 174-178 °C

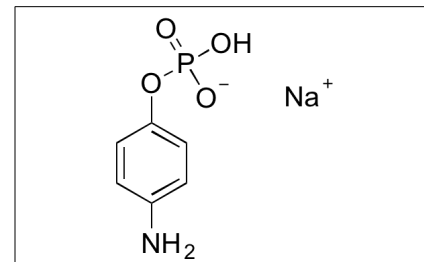
Purity ≥97%

Solubility Soluble in methanol, water.

Store Temp -20 °C

Ship Temp Ambient

Description 4-Aminophenyl phosphate is an alkaline phosphatase substrate used to quantify enzyme activity in research models.



Bulk quantities available upon request

Product ID	Size
A5030	10 mg
A5030	50 mg
A5030	100 mg

References Akanda MR, Tamilavan V, Park S, et al. Hydroquinone diphosphate as a phosphatase substrate in enzymatic amplification combined with electrochemical-chemical redox cycling for the detection of *E. coli* O157:H7. *Anal Chem.* 2013 Feb 5;85(3):1631-6. PMID: 23327094.

Pemberton RM, Hart JP, Stoddard P, et al. A comparison of 1-naphthyl phosphate and 4 aminophenyl phosphate as enzyme substrates for use with a screen-printed amperometric immunosensor for progesterone in cows' milk. *Biosens Bioelectron.* 1999 May 31;14(5):495-503. PMID: 10451917.

Xiang Y, Zhang Y, Qian X, et al. Ultrasensitive aptamer-based protein detection via a dual amplified biocatalytic strategy. *Biosens Bioelectron.* 2010 Jul 15;25(11):2539-2542. PMID: 20452761.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.