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DATASHEET

4-Aminophenylphosphate sodium salt

Product overview

Name	4-Aminophenylphosphate sodium salt
Cat No	HB0076
Alternative names	4-APP; pAPP
Biological action	Substrate
Purity	>97%
Description	Alkaline phosphatase substrate

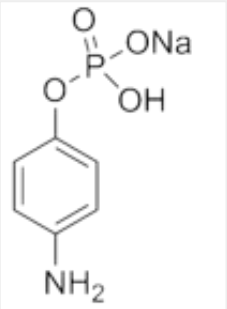
Biological Data

Biological description	Alkaline phosphatase substrate. Used as an electrochemical measurement of alkaline phosphatase.

Solubility & Handling

Solubility overview	Soluble in methanol
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-Aminophenylphosphate.sodium salt
Molecular Weight	283.2
Chemical structure	
Molecular Formula	$C_6H_7NO_4P.Na.4H_2O$
CAS Number	108084-47-5

References

Highly sensitive and label-free electrochemical detection of microRNAs based on triple signal amplification of multifunctional gold nanoparticles, enzymes and redox-cycling reaction.

Liu L *et al* (2014) Biosens Bioelectron 53

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Optimization of phosphatase- and redox cycling-based immunosensors and its application to ultrasensitive detection of

troponin I.

Akanda MR *et al* (2011) Anal Chem 83(10)
PubMedID 21486093

'Outer-sphere to inner-sphere' redox cycling for ultrasensitive immunosensors.

Akanda MR *et al* (2012) Anal Chem 84(2)
PubMedID 22208164