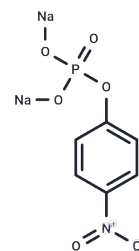


PNPP

Chemical Properties

CAS No. :	4264-83-9
Formula:	C ₆ H ₄ NNa ₂ O ₆ P
Molecular Weight:	263.05
Appearance:	no data available
Storage:	store at low temperature,keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	PNPP is a non-proteinaceous chromogenic substrate for alkaline and acid phosphatases used in ELISA and conventional spectrophotometric assays.
Targets(IC50)	Others
In vitro	Phosphatases facilitate the breakdown of PNPP, releasing inorganic phosphate alongside the conjugate base of para-nitrophenol (pNP). The emergent phenolate exhibits a yellow color, with peak absorption at 405 nm[1].

Solubility Information

Solubility	H2O: 160 mg/mL (608.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8016 mL	19.0078 mL	38.0156 mL
5 mM	0.7603 mL	3.8016 mL	7.6031 mL
10 mM	0.3802 mL	1.9008 mL	3.8016 mL
50 mM	0.076 mL	0.3802 mL	0.7603 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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