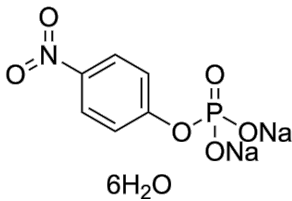


# 4-Nitrophenyl phosphate disodium hexahydrate

货号: **AYB26831**



## 产品信息

生物活性	4-Nitrophenyl phosphate (p-nitrophenyl phosphate) disodium hexahydrate is widely used as a small molecule phosphotyrosine-like substrate in activity assays for <b>protein tyrosine phosphatases</b> . 4-Nitrophenyl phosphate disodium hexahydrate is a colorless substrate that upon hydrolysis is converted to a yellow 4-nitrophenolate ion that can be monitored by absorbance at 405 nm.																				
CAS	333338-18-4																				
中文名称																					
分子量	371.14																				
体外研究	4-Nitrophenyl phosphate (PNPP) disodium hexahydrate is a commonly used substrate for alkaline phosphatases (ALPs). 4-Nitrophenyl phosphate disodium hexahydrate is hydrolyzed by ALP to PNP (p-nitrophenol), which quenches the fluorescence of novel gold nanoclusters (AuNCs) by the inner filter effect (IFE). <b>The accuracy of these methods have not been independently confirmed. They are for reference only.</b>																				
体内研究																					
形式	Solid																				
运输条件	Room temperature in continental US; may vary elsewhere.																				
保存条件	-20°C, sealed storage, away from moisture																				
溶解性	In Vitro: <b>H<sub>2</sub>O : 100 mg/mL (269.44 mM; Need ultrasonic)</b> <b>DMSO : 10 mg/mL (26.94 mM; ultrasonic and warming and heat to 80°C)</b> 配制储备液 <table border="1"> <thead> <tr> <th>浓度</th> <th>溶剂</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>2.6944 mL</td> <td>13.4720 mL</td> <td>26.9440 mL</td> <td></td> </tr> <tr> <td>5 mM</td> <td>0.5389 mL</td> <td>2.6944 mL</td> <td>5.3888 mL</td> <td></td> </tr> <tr> <td>10 mM</td> <td>0.2694 mL</td> <td>1.3472 mL</td> <td>2.6944 mL</td> <td></td> </tr> </tbody> </table> <p>* 请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)。-80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。</p>	浓度	溶剂	1 mg	5 mg	10 mg	1 mM	2.6944 mL	13.4720 mL	26.9440 mL		5 mM	0.5389 mL	2.6944 mL	5.3888 mL		10 mM	0.2694 mL	1.3472 mL	2.6944 mL	
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