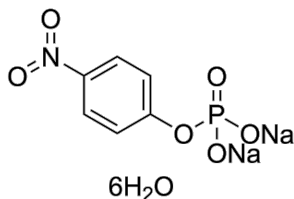


4-Nitrophenyl phosphate disodium hexahydrate

货号: **B26831**

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 protein tyrosine phosphatases . 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	<p>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).</p> <p>The accuracy of these methods have not been independently confirmed. They are for reference only.</p>																
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	<p>In Vitro:</p> <p>H₂O : 100 mg/mL (269.44 mM; Need ultrasonic)</p> <p>DMSO : 10 mg/mL (26.94 mM; ultrasonic and warming and heat to 80°C)</p> <p>配制储备液</p> <table><tr><td>浓度</td><td>溶剂</td><td>体积</td><td>质量</td></tr><tr><td>1 mM</td><td>2.6944 mL</td><td>13.4720 mL</td><td>26.9440 mg</td></tr><tr><td>5 mM</td><td>0.5389 mL</td><td>2.6944 mL</td><td>5.3888 mg</td></tr><tr><td>10 mM</td><td>0.2694 mL</td><td>1.3472 mL</td><td>2.6944 mg</td></tr></table> <p>*</p> <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。</p> <p>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	体积	质量	1 mM	2.6944 mL	13.4720 mL	26.9440 mg	5 mM	0.5389 mL	2.6944 mL	5.3888 mg	10 mM	0.2694 mL	1.3472 mL	2.6944 mg
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