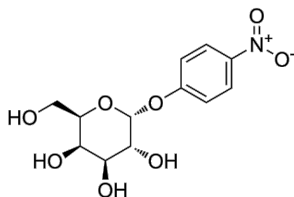


4-Nitrophenyl α -D-galactopyranoside

货号: **B26921**

产品信息

生物活性	4-Nitrophenyl α -D-galactopyranoside (PNP- α -D-Gal) is an artificial substrate of 4-nitrophenyl (pNP) glycopyranoside for detecting α -galactosidase activity. The amount of released pNP is significantly increased when 4-Nitrophenyl α -D-galactopyranoside is used as substrates.
CAS	7493-95-0
中文名称	4-硝基苯基 α -D-吡喃半乳糖苷
分子量	301.25
体外研究	<p>Using 4-nitrophenol (pNP)-glycopyranosides as pseudosubstrates, the amount of liberated pNP from the 4-Nitrophenyl α-D-galactopyranoside is significantly higher than that from the other pNP-glycopyranosides at pH 4.0 whereas no activity was detected at pH 7.0.</p> <p>The digestion assays using 4-nitrophenyl (pNP) glycopyranosides as artificial substrates shows that yield of liberated galactose residues from 4-Nitrophenyl α-D-galactopyranoside mainly at pH 4.0, i.e. the pH level where yield threshold is decreased at most.</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	

溶解性	<p>In Vitro:</p> <p>H₂O : 16.67 mg/mL (55.34 mM); ultrasonic and warming and heat to 60°C)</p> <p>配制储备液</p> <table><tr><th>浓度</th><th>溶剂</th><th>体积</th><th>质量</th></tr><tr><td>1 mg</td><td></td><td></td><td></td></tr><tr><td>5 mg</td><td></td><td></td><td></td></tr><tr><td>10 mg</td><td></td><td></td><td></td></tr></table> <p>1 mM 3.3195 mL16.5975 mL33.1950 mL</p> <p>5 mM 0.6639 mL3.3195 mL 6.6390 mL</p> <p>10 mM0.3320 mL1.6598 mL 3.3195 mL</p> <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。-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> <p>In Vivo:</p> <p>请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液，再依次添加助溶剂：</p> <p>——为保证实验结果的可靠性，澄清的储备液可以根据储存条件，适当保存；体内实验的工作液，建议您现用现配，当天使用； 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比；如在配制过程中出现沉淀、析出现象，可以通过加热和/或超声的方式助溶</p> <ul style="list-style-type: none">1. <p>请依序添加每种溶剂： PBS</p> <p>Solubility: 25 mg/mL (82.99 mM); Clear solution; Need ultrasonic</p> <p>*以上所有助溶剂都可在 MCE 网站选购。</p>	浓度	溶剂	体积	质量	1 mg				5 mg				10 mg			
浓度	溶剂	体积	质量														
1 mg																	
5 mg																	
10 mg																	
纯度	98.53%																