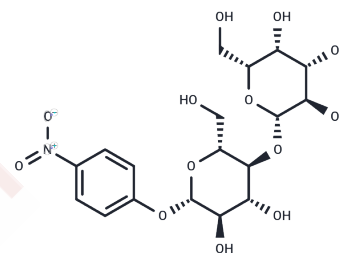


## p-Nitrophenyl β-D-lactoside

### Chemical Properties

CAS No. : 4419-94-7  
 Formula: C<sub>18</sub>H<sub>25</sub>N<sub>1</sub>O<sub>13</sub>  
 Molecular Weight: 463.39  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	p-Nitrophenyl β-D-lactoside is a biochemical reagent used in glycobiology research. Glycobiology investigates the structure, synthesis, biological significance, and evolution of sugars. This field encompasses carbohydrate chemistry, glycan formation and degradation enzymology, protein-glycan recognition, and the roles of glycans in biological systems. It is closely linked with fundamental research, biomedicine, and biotechnology.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.158 mL	10.790 mL	21.5801 mL
5 mM	0.4316 mL	2.158 mL	4.316 mL
10 mM	0.2158 mL	1.079 mL	2.158 mL
50 mM	0.0432 mL	0.2158 mL	0.4316 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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