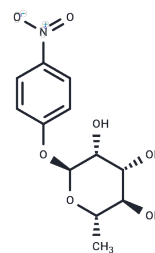


4-Nitrophenyl  $\alpha$ -L-rhamnopyranoside

## Chemical Properties

CAS No. :	18918-31-5
Formula:	C <sub>12</sub> H <sub>15</sub> NO <sub>7</sub>
Molecular Weight:	285.25
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	4-Nitrophenyl $\alpha$ -L-rhamnopyranoside is a substrate commonly employed in various biochemical assays to measure the activity of rhamnose-hydrolyzing enzymes such as $\alpha$ -L-rhamnosidase. The compound possesses unique chemical properties that enable it to be hydrolyzed by these enzymes, resulting in the formation of a yellow product known as p-nitrophenol. This characteristic makes it a valuable tool for detecting and quantifying rhamnose-hydrolyzing enzyme activity in biological samples or microbial cultures.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5057 mL	17.5285 mL	35.057 mL
5 mM	0.7011 mL	3.5057 mL	7.0114 mL
10 mM	0.3506 mL	1.7528 mL	3.5057 mL
50 mM	0.0701 mL	0.3506 mL	0.7011 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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