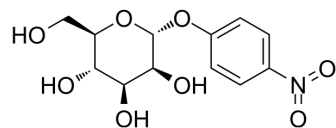


p-Nitrophenyl α -D-mannopyranoside

Cat. No.:	HY-137822		
CAS No.:	10357-27-4		
Molecular Formula:	C ₁₂ H ₁₅ NO ₈		
Molecular Weight:	301.25		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (331.95 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3195 mL	16.5975 mL	33.1950 mL
	5 mM	0.6639 mL	3.3195 mL	6.6390 mL
	10 mM	0.3320 mL	1.6598 mL	3.3195 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: \geq 2.5 mg/mL (8.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)
Solubility: \geq 2.5 mg/mL (8.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: \geq 2.5 mg/mL (8.30 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

p-Nitrophenyl α -D-mannopyranoside is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

Caution: Product has not been fully validated for medical applications. For research use only.

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