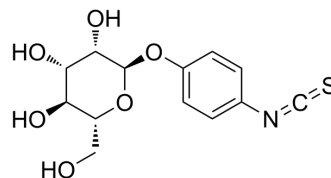


4-Isothiocyanatophenyl α -D-Mannopyranoside

Cat. No.:	HY-132996
CAS No.:	96345-79-8
Molecular Formula:	C ₁₃ H ₁₅ NO ₆ S
Molecular Weight:	313.33
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (797.88 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.1915 mL	15.9576 mL	31.9152 mL
		5 mM	0.6383 mL	3.1915 mL	6.3830 mL
	10 mM	0.3192 mL	1.5958 mL	3.1915 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: \geq 2.08 mg/mL (6.64 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 2.08 mg/mL (6.64 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	4-Isothiocyanatophenyl α -D-Mannopyranoside, an organic isothiocyanate, is a building block and reagent which is used for preparing neoglycoproteins ^[1] .
--------------------	--

REFERENCES

[1]. Lamptey RNL, et, al. Synthesis and Characterization of Fatty Acid Grafted Chitosan Polymeric Micelles for Improved Gene Delivery of VGF to the Brain through Intranasal Route. Biomedicines. 2022 Feb 19;10(2):493.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA