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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

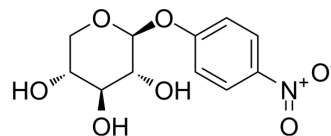
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

4-Nitrophenyl β -D-xylopyranoside

Cat. No.:	HY-W039938
CAS No.:	2001-96-9
Molecular Formula:	C ₁₁ H ₁₃ NO ₇
Molecular Weight:	271.22
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (368.70 mM; Need ultrasonic)
H₂O : 50 mg/mL (184.35 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6870 mL	18.4352 mL	36.8704 mL
	5 mM	0.7374 mL	3.6870 mL	7.3741 mL
	10 mM	0.3687 mL	1.8435 mL	3.6870 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 (9.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)
Solubility: \geq 2.5 mg/mL (9.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: \geq 2.5 mg/mL (9.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Nitrophenyl β -D-xylopyranoside is a chromogenic β -xylosidase substrate. 4-Nitrophenyl β -D-xylopyranoside can be used to test β -xylosidase activity^[1].

In Vitro

β -D-xylan xylohydrolase exhibits glycosyltransferase activity with xylo-oligosaccharides and at high concentrations of 4-Nitrophenyl β -D-xylopyranoside^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Herrmann MC, et, al. The beta-D-xylosidase of *Trichoderma reesei* is a multifunctional beta-D-xylan xylohydrolase. *Biochem J.* 1997 Jan 15;321 (Pt 2)(Pt 2):375-81.

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