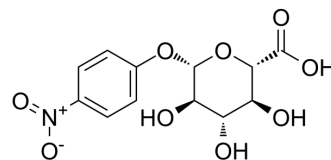


4-Nitrophenyl β -D-glucuronide

Cat. No.:	HY-W039892
CAS No.:	10344-94-2
Molecular Formula:	C ₁₂ H ₁₃ NO ₉
Molecular Weight:	315.23
Target:	Others
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	H ₂ O : 250 mg/mL (793.07 mM; Need ultrasonic) DMSO : 100 mg/mL (317.23 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		3.1723 mL	15.8614 mL	31.7229 mL
		5 mM		0.6345 mL	3.1723 mL	6.3446 mL
		10 mM		0.3172 mL	1.5861 mL	3.1723 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: ≥ 2.5 mg/mL (7.93 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.93 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.93 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	4-Nitrophenyl β -D-glucuronide (pNPG ₁) is a derivative of 4-nitrophenol. 4-Nitrophenyl β -D-glucuronide is a chromogenic compound and is the chromogenic substrate for β -glucuronidase ^[1] .
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REFERENCES

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

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