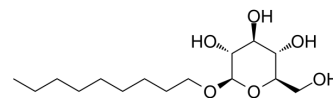


## Nonyl β-D-glucopyranoside

Cat. No.:	HY-W015993
CAS No.:	69984-73-2
Molecular Formula:	C <sub>15</sub> H <sub>30</sub> O <sub>6</sub>
Molecular Weight:	306.4
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	<div> <div>Powder</div> <div> -20°C    3 years  4°C    2 years </div> </div> <div> <div>In solvent</div> <div> -80°C    6 months  -20°C    1 month </div> </div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (326.37 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.2637 mL	16.3185 mL	32.6371 mL
	5 mM		0.6527 mL	3.2637 mL	6.5274 mL
	10 mM		0.3264 mL	1.6319 mL	3.2637 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: ≥ 2.5 mg/mL (8.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (8.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (8.16 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Nonyl β-D-glucopyranoside is a potent surfactant<sup>[1]</sup>.

### REFERENCES

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[1]. Annette Meister, et al. The interaction of n-nonyl- $\beta$ -d-glucopyranoside and sodium dodecyl sulfate with DMPC and DMPG monolayers studied by infrared reflection absorption spectroscopy. Phys. Chem. Chem. Phys., 2004,6, 5543-5550

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

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