

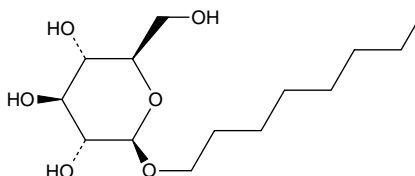
Product Information



n-Octylglucoside

Item No. 14327

CAS Registry No.: 29836-26-8
Formal Name: octyl- β -D-glucopyranoside
Synonym: BTB 11967
MF: C₁₄H₂₈O₆
FW: 292.4
Purity: \geq 95%
Stability: \geq 2 years at -20°C
Supplied as: A crystalline solid



Laboratory Procedures

For long term storage, we suggest that *n*-octylglucoside be stored as supplied at -20°C. It should be stable for at least two years.

n-Octylglucoside is supplied as a crystalline solid. *n*-Octylglucoside is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of *n*-octylglucoside in ethanol is approximately 20 mg/ml and approximately 16 mg/ml in DMSO and DMF.

The solubility of *n*-octylglucoside in PBS, pH 7.2, is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

n-Octylglucoside is a mild, non-denaturing detergent that is used for the solubilization and reconstitution of membrane-bound proteins. The high critical micelle concentration (0.7%) of *n*-octylglucoside facilitates ready removal from final protein extracts by dialysis or gel filtration.^{1,2} *n*-Octylglucoside can be used in 2D electrophoresis and to improve selectivity of immunoprecipitation of phosphotyrosine modified proteins.^{1,3}

References

1. Zhang, G. and Neubert, T.A. Use of detergents to increase selectivity of immunoprecipitation of tyrosine phosphorylated peptides prior to identification by MALDI quadrupole-TOF MS. *Proteomics* **6**(2), 571-578 (2006).
2. Petri, W.A., Jr. and Wagner, R.R. Reconstitution into liposomes of the glycoprotein of vesicular stomatitis virus by detergent dialysis. *J. Biol. Chem.* **254**(11), 4313-4316 (1979).
3. Lambot, M., Fr tier, S., Op De Beeck, A., *et al.* Reconstitution of hepatitis C virus envelope glycoproteins into liposomes as a surrogate model to study virus attachment. *J. Biol. Chem.* **277**(23), 20625-20630 (2002).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/14327

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's **exclusive remedy** and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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