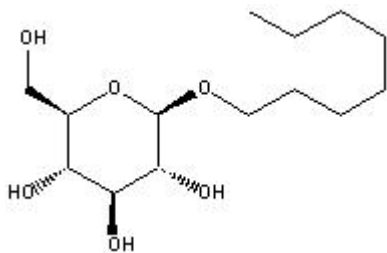


## TECHNICAL INFORMATION

Catalog Number: 150054

### n-Octyl-beta-D-glucopyranoside

#### Structure:



**Molecular Formula:** C<sub>14</sub>H<sub>28</sub>O<sub>6</sub>

**Molecular Weight:** 292.37

**CAS # :** 29836-26-8

**Synonym:** n-Octyl-b-D-glucoside

**Physical Appearance:** White to off-white crystalline powder

**Description:** Non-ionic detergent for membrane protein

**Purity:** 99.2%

**Critical Micelle Concentration (CMC):** 20-25 mM Detergents with high CMC values are generally easy to remove by dilution; detergents with low CMC values are advantageous for separations on the basis of molecular weight. As a general rule, detergents should be used at their CMC and at a detergent-to-protein weight ratio of approximately ten.<sup>1,2</sup>

**Solubility:** Soluble in water (10 mg/ ml-clear colorless solution)

#### References:

- Womack, M.D., et al., *Biochim. Biophys. Acta*, v. **733**, 210 (1983)
- Matson, R.S. and Goheen, S.C., *LC-GC*, v. **4(7)**, 624 (1986)
- Gould, R.J., et al., *Biochem*, v. **20**, 6776 (1981)