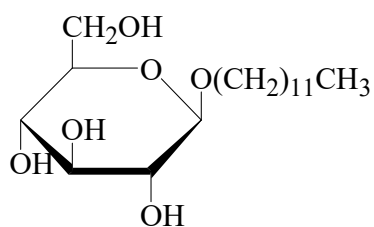




>>Entry Name: Dodecyl glucoside

Synonym(s): AG 12



**Molecular Formula:** C<sub>18</sub>H<sub>36</sub>O<sub>6</sub>

**Molecular Weight:** 348.479

**Accurate Mass:** 348.25119

**Percentage Composition:** C 62.04%; H 10.41%; O 27.55%

>>Variant: β-D-Pyranose-form

**CAS Registry Number:** 59122-55-3

**Type of Compound Code(s):** AF0900

**Molecular Formula:** C<sub>18</sub>H<sub>36</sub>O<sub>6</sub>

**Molecular Weight:** 348.479

**Accurate Mass:** 348.25119

**Percentage Composition:** C 62.04%; H 10.41%; O 27.55%

**Use/Importance:** Surfactant. Used in the isol. and purifn. of membrane proteins

**Melting Point:** Mp 78-80°. Mp 136-137°

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> -22 (c, 1.0 in MeOH)

>>Derivative: Tetra-Ac

**CAS Registry Number:** 66854-07-7

**Type of Compound Code(s):** AF0900

**Molecular Formula:** C<sub>26</sub>H<sub>44</sub>O<sub>10</sub>

**Molecular Weight:** 516.628

**Accurate Mass:** 516.29345

**Percentage Composition:** C 60.45%; H 8.58%; O 30.97%

**Melting Point:** Mp 59°

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> -19 (c, 1.0 in MeOH)

#### References:

- Weber, N. *et al.*, *Chem. Phys. Lipids*, 1982, **31**, 325-329, (*synth, ir, ms, bibl*)  
Koeltzow, D.E. *et al.*, *J. Am. Oil Chem. Soc.*, 1984, **61**, 1651-1655, (*synth, props*)  
Kiwada, H. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 753-759, (*use*)  
Focher, B. *et al.*, *Chem. Phys. Lipids*, 1990, **53**, 141-155, (*synth, pmr, cmr, props*)