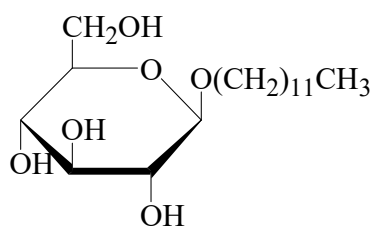




>>Entry Name: Dodecyl glucoside

Synonym(s): AG 12



Molecular Formula: C₁₈H₃₆O₆

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: C₁₈H₃₆O₆

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]_D²⁰ -22 (c, 1.0 in MeOH)

>>Derivative: Tetra-Ac

CAS Registry Number: 66854-07-7

Type of Compound Code(s): AF0900

Molecular Formula: C₂₆H₄₄O₁₀

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]_D²⁰ -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*)