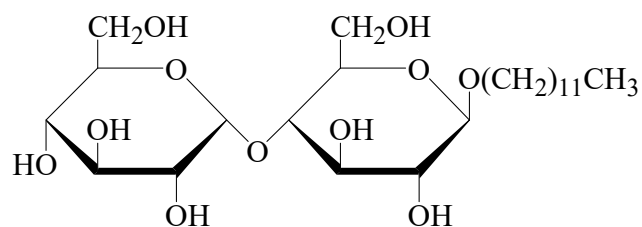




>>Entry Name: Dodecyl maltoside

Synonym(s): Lauryl maltoside



Molecular Formula: C₂₄H₄₆O₁₁

Molecular Weight: 510.621

Accurate Mass: 510.304015

Percentage Composition: C 56.45%; H 9.08%; O 34.47%

>>Variant: β-D-Pyranose-form

CAS Registry Number: 69227-93-6

Type of Compound Code(s): AF9200

Molecular Formula: C₂₄H₄₆O₁₁

Molecular Weight: 510.621

Accurate Mass: 510.304015

Percentage Composition: C 56.45%; H 9.08%; O 34.47%

Use/Importance: Detergent used in study of photosynthetic membranes and the characterisation of enzymes

Physical Description: Cryst. (MeOH/EtOH)

Melting Point: Mp 104-105°

Optical Rotation: [α]_D²⁰+47 (MeOH)

Aldrich: 86231-2

Sigma: D5172

Other: Serva: 20780

References:

De Grip, W.J. *et al.*, *Chem. Phys. Lipids*, 1979, **23**, 321-335, (*synth, pmr*)

Rosevar, P. *et al.*, *Biochemistry*, 1980, **19**, 4108-4115, (*synth, cmr*)

Van Aken, T. *et al.*, *Methods Enzymol.*, 1986, **125**, 27, (*synth, use*)

Hodges, M. *et al.*, *Biochim. Biophys. Acta*, 1988, **935**, 41-52, (*use*)

Dekker, J.P. *et al.*, *Biochim. Biophys. Acta*, 1988, **936**, 307-318, (*use*)

Tandon, S. *et al.*, *Biochim. Biophys. Acta*, 1988, **955**, 19-25, (*use*)