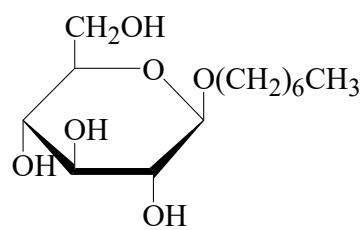




>>Entry Name: Heptyl glucoside, 9CI



Molecular Formula: C₁₃H₂₆O₆

Molecular Weight: 278.345

Accurate Mass: 278.17294

Percentage Composition: C 56.10%; H 9.41%; O 34.49%

>>Variant: β-D-Pyranose-form

CAS Registry Number: 78617-12-6

Molecular Formula: C₁₃H₂₆O₆

Molecular Weight: 278.345

Accurate Mass: 278.17294

Percentage Composition: C 56.10%; H 9.41%; O 34.49%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 76-78°

Optical Rotation: [α]_D²⁰ -34.2 (H₂O)

>>Derivative: Tetra-Ac

Synonym(s): Heptyl 2,3,4,6-tetra-*O*-acetyl-β-D-glucopyranoside

CAS Registry Number: 28245-00-3

Molecular Formula: C₂₁H₃₄O₁₀

Molecular Weight: 446.494

Accurate Mass: 446.2152

Percentage Composition: C 56.49%; H 7.68%; O 35.83%

Physical Description: Needles

Melting Point: Mp 76-78°

Optical Rotation: [α]_D²⁰ -20.5 (H₂O)

References:

Pigman, W.W. *et al.*, *J.A.C.S.*, 1942, **64**, 369-374, (*synth*)

Kreider, L.C. *et al.*, *J.A.C.S.*, 1942, **64**, 1482-1483, (*synth*)

Shinoyama, H. *et al.*, *Agric. Biol. Chem.*, 1991, **55**, 1679-1681, (*synth*)