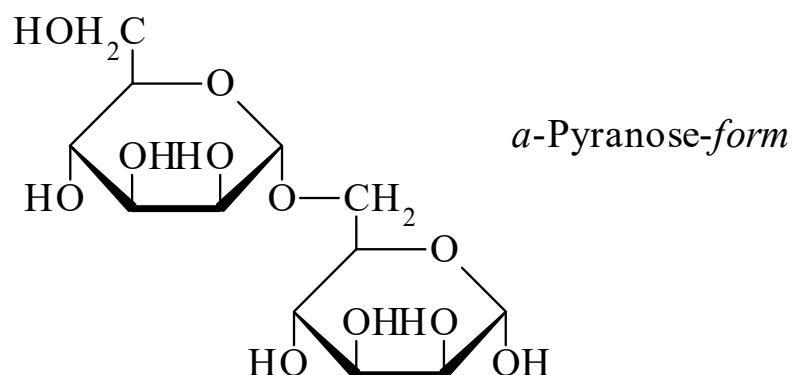




>>Entry Name: 6-*O*- α -D-Mannopyranosyl-D-mannose, 9Cl, 8Cl



CAS Registry Number: 6614-35-3

Molecular Formula: C₁₂H₂₂O₁₁

Molecular Weight: 342.299

Accurate Mass: 342.116215

Percentage Composition: C 42.11%; H 6.48%; O 51.42%

Biological Source: Isolated from partial acid hydrolysates of baker's yeast (*Saccharomyces cerevisiae*) mannan. Constituent of the sugar portion of the phospholipid of *Mycobacterium tuberculosis* and of the mannan from the cell walls of the dermatophyte *Trichophyton mentagrophytes*

Melting Point: Mp 196-197° (188-190°)

Optical Rotation: [α]_D +50 (c, 0.9 in H₂O). [α]_D +62 (H₂O)

Sigma: M7788

>>Derivative: Phenyllosazone

Melting Point: Mp 128-129°

>>Variant: α -Pyranose-form

CAS Registry Number: 50271-70-0

Molecular Formula: C₁₂H₂₂O₁₁

Molecular Weight: 342.299

Accurate Mass: 342.116215

Percentage Composition: C 42.11%; H 6.48%; O 51.42%

>>Derivative: Octa-Ac

CAS Registry Number: 72691-29-3

Molecular Formula: C₂₈H₃₈O₁₉

Molecular Weight: 678.597

Accurate Mass: 678.200735

Percentage Composition: C 49.56%; H 5.64%; O 44.80%

Melting Point: Mp 162°

Optical Rotation: [α]_D²² +68 (c, 0.97 in CHCl₃)

>>Derivative: Me glycoside, hepta-Ac

CAS Registry Number: 76951-67-2

Molecular Formula: C₂₇H₃₈O₁₈

Molecular Weight: 650.586

Accurate Mass: 650.20582

Percentage Composition: C 49.85%; H 5.89%; O 44.27%

Physical Description: Foam

Optical Rotation: [α]_D²⁰ +62.5 (c, 0.6 in CHCl₃)

>>Derivative: Me glycoside 2,3',4,4'-tetrabenzyl

CAS Registry Number: 78880-17-8

Molecular Formula: C₄₁H₄₈O₁₁

Molecular Weight: 716.824

Accurate Mass: 716.319665

Percentage Composition: C 68.70%; H 6.75%; O 24.55%

Optical Rotation: [α]_D²⁵ +58.8 (c, 0.4 in CHCl₃)

>>Derivative: Me glycoside 2,3',4,4',6'-pentabenzyl