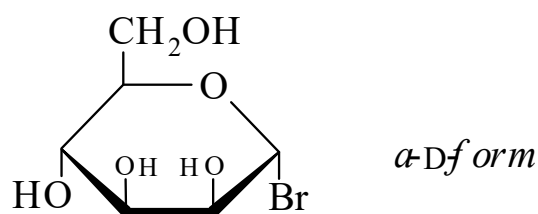




>>Entry Name: Mannopyranosyl bromide



Molecular Formula: C₆H₁₁BrO₅

Molecular Weight: 243.054

Accurate Mass: 241.998986

Percentage Composition: C 29.65%; H 4.56%; Br 32.88%; O 32.91%

>>Variant: α-D-form

Molecular Formula: C₆H₁₁BrO₅

Molecular Weight: 243.054

Accurate Mass: 241.998986

Percentage Composition: C 29.65%; H 4.56%; Br 32.88%; O 32.91%

>>Derivative: 2,3,4,6-Tetra-Ac

Synonym(s): 2,3,4,6-Tetra-*O*-acetyl-α-D-mannopyranosyl bromide, 9Cl, 8Cl. Acetobromomannose

CAS Registry Number: 13242-53-0

Molecular Formula: C₁₄H₁₉BrO₉

Molecular Weight: 411.203

Accurate Mass: 410.041246

Percentage Composition: C 40.89%; H 4.66%; Br 19.43%; O 35.02%

Melting Point: Mp 53-54°

Optical Rotation: [α]_D²⁰+128 (c, 1.8 in CHCl₃)

>>Derivative: 2,3,4,6-Tetrabenzoyl

Synonym(s): 2,3,4,6-Tetra-*O*-benzoyl-α-D-mannopyranosyl bromide

CAS Registry Number: 14218-30-5

Molecular Formula: C₃₄H₂₇BrO₉

Molecular Weight: 659.486

Accurate Mass: 658.103846

Percentage Composition: C 61.92%; H 4.13%; Br 12.12%; O 21.83%

Physical Description: Amorph. powder

Optical Rotation: [α]_D+11.7 (CHCl₃)

Sigma: T0792

>>Derivative: 2,3-Carbonate, 4,6-di-Ac

Synonym(s): 4,6-Di-*O*-acetyl-α-D-mannopyranosyl bromide 2,3-carbonate

CAS Registry Number: 53958-21-7

Optical Rotation: [α]_D²⁵+88 (c, 1.0 in CHCl₃)

>>Derivative: 6-Deoxy-6-iodo, 2,3,4-tri-Ac

Synonym(s): 2,3,4-Tri-*O*-acetyl-6-deoxy-6-iodo-α-D-mannopyranosyl bromide

CAS Registry Number: 50692-56-3

Molecular Formula: C₁₂H₁₆BrIO₇

Molecular Weight: 479.063

Accurate Mass: 477.932414

Percentage Composition: C 30.09%; H 3.37%; Br 16.68%; I 26.49%; O 23.38%

Physical Description: Needles (diisopropyl ether)

Melting Point: Mp 136-137° (softens at 122°)

Optical Rotation: [α]_D+110 (c, 1.0 in CHCl₃)

References: