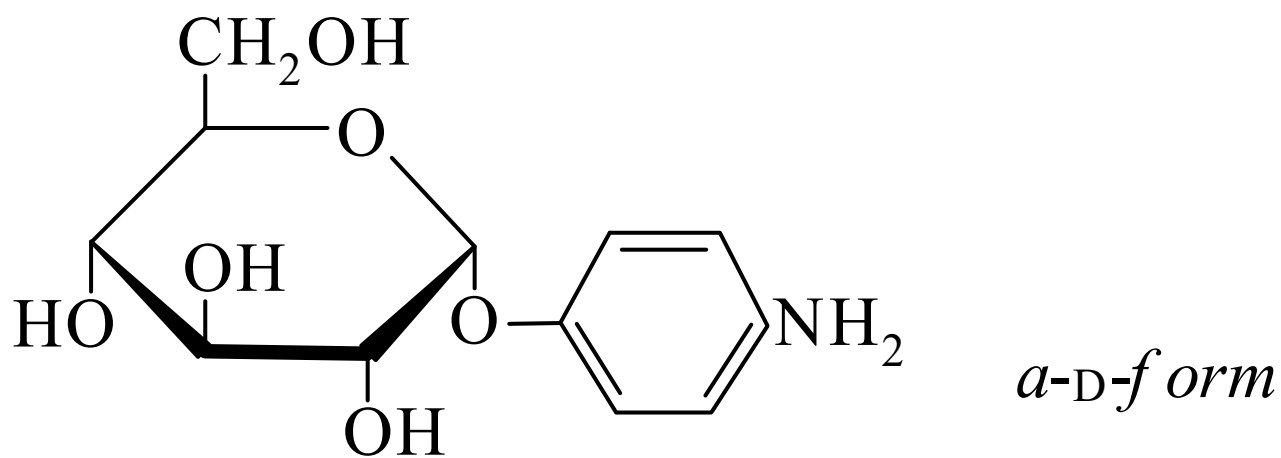




>>Entry Name: 4-Aminophenyl glucopyranoside



Molecular Formula: C₁₂H₁₇NO₆

Molecular Weight: 271.269

Accurate Mass: 271.105589

Percentage Composition: C 53.13%; H 6.32%; N 5.16%; O 35.39%

>>Variant: α-D-form

CAS Registry Number: 31302-52-0

Molecular Formula: C₁₂H₁₇NO₆

Molecular Weight: 271.269

Accurate Mass: 271.105589

Percentage Composition: C 53.13%; H 6.32%; N 5.16%; O 35.39%

Biological Source: Isol. from leaves of *Hydrangea macrophylla*

Use/Importance: Carbohydrate ligand for preparing affinity absorbents. Comly. available

Melting Point: Mp 189-191° (185-186°)

Optical Rotation: [α]_D²⁴+194.1 (MeOH)

>>Variant: β-D-form

CAS Registry Number: 20818-25-1

Molecular Formula: C₁₂H₁₇NO₆

Molecular Weight: 271.269

Accurate Mass: 271.105589

Percentage Composition: C 53.13%; H 6.32%; N 5.16%; O 35.39%

Use/Importance: Ligand for prepn. of affinity absorbents. Comly. available

Physical Description: Cryst.

Melting Point: Mp 160-161° (156-157°)

Optical Rotation: [α]_D²⁰-55.5 (H₂O). [α]_D²⁶-64.1 (MeOH)

>>Derivative: Tetra-Ac

CAS Registry Number: 42011-36-9

Molecular Formula: C₂₀H₂₅NO₁₀

Molecular Weight: 439.418

Accurate Mass: 439.147849

Percentage Composition: C 54.67%; H 5.73%; N 3.19%; O 36.41%

Melting Point: Mp 132-133.5°

Optical Rotation: [α]_D²⁰-14.7 (c, 1.2 in CHCl₃)

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Cogoli, A. *et al.*, *J. Biol. Chem.*, 1975, **250**, 7802-7809, (*props*)

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