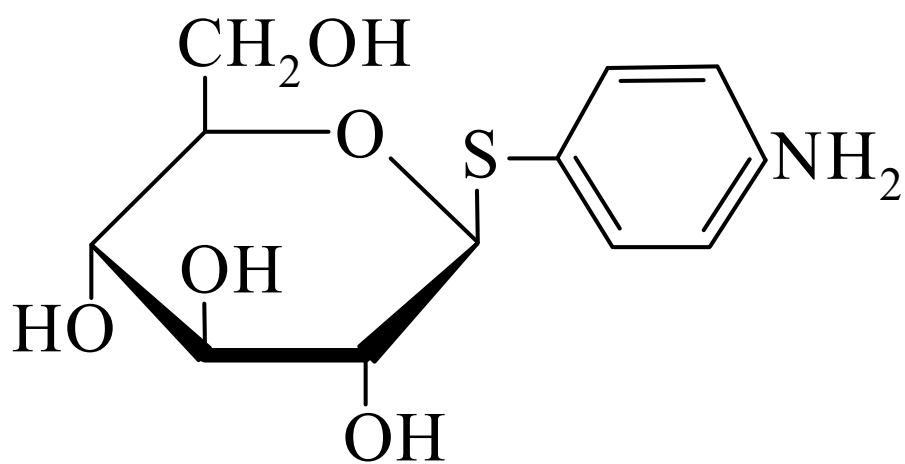




>>Entry Name: 4-Aminophenyl 1-thioglucopyranoside, 9CI



Molecular Formula: C₁₂H₁₇NO₅S

Molecular Weight: 287.336

Accurate Mass: 287.082744

Percentage Composition: C 50.16%; H 5.96%; N 4.87%; O 27.84%; S 11.16%

>>Variant: β-D-form

CAS Registry Number: 58737-22-7

Molecular Formula: C₁₂H₁₇NO₅S

Molecular Weight: 287.336

Accurate Mass: 287.082744

Percentage Composition: C 50.16%; H 5.96%; N 4.87%; O 27.84%; S 11.16%

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

Physical Description: Cryst. (EtOH)

Melting Point: Mp 147-148°

Optical Rotation: [α]_D²² -35.4 (c, 1.0 in MeOH). [α]_D²² -63.5 (c, 5.0 in H₂O)

Sigma: A1141

>>Derivative: N,2,3,4,6-Penta-Ac

CAS Registry Number: 62205-46-3

Molecular Formula: C₂₂H₂₇NO₁₀S

Molecular Weight: 497.522

Accurate Mass: 497.135569

Percentage Composition: C 53.11%; H 5.47%; N 2.82%; O 32.16%; S 6.45%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 155-156°

Optical Rotation: [α]_D²⁴ -34 (c, 1.0 in CHCl₃)

References:

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Hasegawa, Y. *et al.*, *Chem. Pharm. Bull.*, 1972, **20**, 800

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