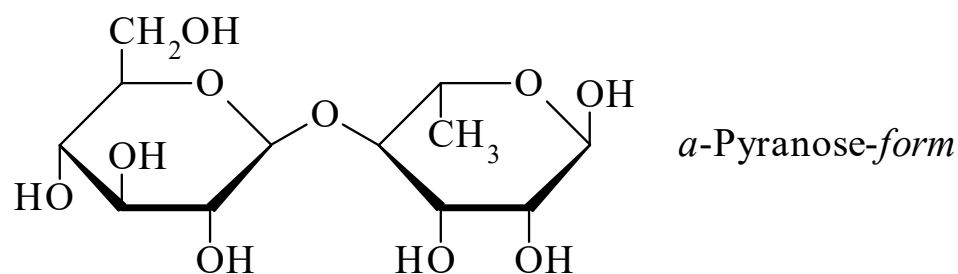




>>Entry Name: 4-*O*-β-D-Glucopyranosyl-L-rhamnose

Synonym(s): Scillabiose



CAS Registry Number: 40525-07-3

Molecular Formula: C₁₂H₂₂O₁₀

Molecular Weight: 326.3

Accurate Mass: 326.1213

Percentage Composition: C 44.17%; H 6.80%; O 49.03%

Biological Source: Isol. from the partial acid hydrolysate of glycosides from *Scilla maritima*; constit. in the repeating unit of the capsular antigen of *Klebsiella* K55

Optical Rotation: [α]_D −24.2 (c, 1.1 in H₂O)

>>Derivative: Phenyllosazone

Melting Point: Mp 164°

>>Variant: α-Pyranose-form

Molecular Formula: C₁₂H₂₂O₁₀

Molecular Weight: 326.3

Accurate Mass: 326.1213

Percentage Composition: C 44.17%; H 6.80%; O 49.03%

>>Derivative: Hepta-Ac

CAS Registry Number: 39687-44-0

Molecular Formula: C₂₆H₃₆O₁₇

Molecular Weight: 620.56

Accurate Mass: 620.195255

Percentage Composition: C 50.32%; H 5.85%; O 43.83%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 139-140°

Optical Rotation: [α]_D −62.3 (c, 2.6 in CHCl₃)

>>Derivative: Me glycoside

CAS Registry Number: 39687-45-1

Molecular Formula: C₁₃H₂₄O₁₀

Molecular Weight: 340.327

Accurate Mass: 340.13695

Percentage Composition: C 45.88%; H 7.11%; O 47.01%

Optical Rotation: [α]_D −57.5 (c, 1.5 in MeOH)

>>Derivative: Me glycoside, 2,3-*O*-isopropylidene, tetra-Ac

CAS Registry Number: 39687-43-9

Molecular Formula: C₂₄H₃₆O₁₄

Molecular Weight: 548.54

Accurate Mass: 548.21051

Percentage Composition: C 52.55%; H 6.61%; O 40.83%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 158.5-159°

Optical Rotation: [α]_D −30.6 (c, 1.7 in CHCl₃)

>>Variant: β-Pyranose-form

Molecular Formula: C₁₂H₂₂O₁₀

Molecular Weight: 326.3

Accurate Mass: 326.1213

Percentage Composition: C 44.17%; H 6.80%; O 49.03%