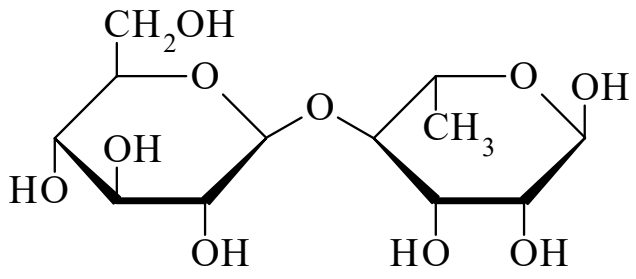
>>**Entry Name: 4-*O*-β-D-Glucopyranosyl-L-rhamnose**
Synonym(s): Scillabiose



a-Pyranose-*form*

CAS Registry Number: 40525-07-3

Molecular Formula: $C_{12}H_{22}O_{10}$
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: $[\alpha]_D$ –24.2 (c, 1.1 in H_2O)

>>**Derivative:** Phenylosazone

Melting Point: Mp 164°

>>**Variant:** α-Pyranose-form

Molecular Formula: $C_{12}H_{22}O_{10}$
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: $C_{26}H_{36}O_{17}$
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: $[\alpha]_D$ –62.3 (c, 2.6 in $CHCl_3$)

>>**Derivative:** Me glycoside

CAS Registry Number: 39687-45-1
Molecular Formula: $C_{13}H_{24}O_{10}$
Molecular Weight: 340.327
Accurate Mass: 340.13695
Percentage Composition: C 45.88%; H 7.11%; O 47.01%
Optical Rotation: $[\alpha]_D$ –57.5 (c, 1.5 in MeOH)

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

CAS Registry Number: 39687-43-9
Molecular Formula: $C_{24}H_{36}O_{14}$
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: $[\alpha]_D$ –30.6 (c, 1.7 in $CHCl_3$)

>>**Variant:** β-Pyranose-form

Molecular Formula: $C_{12}H_{22}O_{10}$
Molecular Weight: 326.3
Accurate Mass: 326.1213
Percentage Composition: C 44.17%; H 6.80%; O 49.03%