Molecular Formula: $C_{45}H_{74}O_{19}$
Molecular Weight: 919.068
Accurate Mass: 918.482435
Percentage Composition: C 58.81%; H 8.12%; O 33.08%
Biological Source: Constit. of *Allium chinense*

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-[β-D-glucopyranosyl-(1→4)]-β-D-galactopyranoside]
Synonym(s): Petunioside F

CAS Registry Number: 160067-93-6

Molecular Formula: $C_{45}H_{74}O_{19}$
Molecular Weight: 919.068
Accurate Mass: 918.482435
Percentage Composition: C 58.81%; H 8.12%; O 33.08%
Biological Source: Constit. of *Petunia hybrida*
Physical Description: Cryst.
Melting Point: Mp 235°
Optical Rotation: $[\alpha]_D^{20}$ –56 (c, 1 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Galactopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside]
Synonym(s): Gitonin. Capsicosin D_1

CAS Registry Number: 39937-47-8

Molecular Formula: $C_{50}H_{82}O_{23}$
Molecular Weight: 1051.184
Accurate Mass: 1050.524695
Percentage Composition: C 57.13%; H 7.86%; O 35.01%
Biological Source: Constit. of *Digitalis* spp.
Physical Description: Cryst.
Melting Point: Mp 240-300°
Optical Rotation: $[\alpha]_D$ –51 (Py)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside]
Synonym(s): *F*-Gitonin. Gitogenin 3β-lycotetraoside

CAS Registry Number: 28591-01-7

Molecular Formula: $C_{50}H_{82}O_{23}$
Molecular Weight: 1051.184
Accurate Mass: 1050.524695
Percentage Composition: C 57.13%; H 7.86%; O 35.01%
Biological Source: Leaf saponin from *Digitalis purpurea* and *Hosta longipes*
Biological Use/Importance: Cardiotonic
Melting Point: Mp 252-255° (dihydrate)
Optical Rotation: $[\alpha]_D^{25}$ –58.5 (c, 0.53 in Py)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-[β-D-glucopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside]

Molecular Formula: $C_{51}H_{84}O_{24}$
Molecular Weight: 1081.21
Accurate Mass: 1080.53526
Percentage Composition: C 56.66%; H 7.83%; O 35.51%
Biological Source: Constit. of *Hosta longipes*
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_D^{25}$ –52 (c, 0.1 in $CHCl_3$/MeOH)