



Melting Point: Mp 210-212°

Optical Rotation: $[\alpha]_D^{14} -36.5$ (c, 0.09 in $\text{CHCl}_3/\text{MeOH}$)

>>**Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)- β -D-glucopyranoside]

Synonym(s): Nicotianoside B

CAS Registry Number: 95535-06-1

Molecular Formula: $\text{C}_{39}\text{H}_{64}\text{O}_{12}$

Molecular Weight: 724.927

Accurate Mass: 724.43978

Percentage Composition: C 64.62%; H 8.90%; O 26.48%

Biological Source: Constit. of *Nicotianum tabacum*

Physical Description: Cryst.

Melting Point: Mp 241-242°

Optical Rotation: $[\alpha]_D^{20} -56$ (c, 1 in MeOH)

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

Synonym(s): Timosaponin A3, Filiferin B, Anemarsaponin A3

CAS Registry Number: 41059-79-4

Molecular Formula: $\text{C}_{39}\text{H}_{64}\text{O}_{13}$

Molecular Weight: 740.927

Accurate Mass: 740.434695

Percentage Composition: C 63.22%; H 8.71%; O 28.07%

Biological Source: Isol. from *Anemarrhena asphodeloides* rhizomes

Physical Description: Prisms

Melting Point: Mp 317-322 dec.°

Optical Rotation: $[\alpha]_D -41.6$ (c, 0.27 in dioxan)

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

Synonym(s): Asparanin A

CAS Registry Number: 84633-33-0

Molecular Formula: $\text{C}_{39}\text{H}_{64}\text{O}_{13}$

Molecular Weight: 740.927

Accurate Mass: 740.434695

Percentage Composition: C 63.22%; H 8.71%; O 28.07%

Biological Source: Constit. of *Asparagus adscendens*

Physical Description: Cryst.

Melting Point: Mp 276-280 dec.°

Optical Rotation: $[\alpha]_D^{18} -61.5$ (c, 1 in Py)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1→3)- β -D-glucopyranoside]

Synonym(s): Asparagoside C

CAS Registry Number: 60267-23-4

Molecular Formula: $\text{C}_{39}\text{H}_{64}\text{O}_{13}$

Molecular Weight: 740.927

Accurate Mass: 740.434695

Percentage Composition: C 63.22%; H 8.71%; O 28.07%

Biological Source: Constit. of *Asparagus officinalis*

Melting Point: Mp 287-290°

Optical Rotation: $[\alpha]_D^{20} -13$ (c, 0.4 in H_2O)