



Physical Description: Amorph.

>>**Variant:** (3 β ,5 β ,22 ξ ,25*S*)-form

Molecular Formula: C₂₇H₄₆O₄

Molecular Weight: 434.658

Accurate Mass: 434.33961

Percentage Composition: C 74.61%; H 10.67%; O 14.72%

>>**Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside], 26- β -D-glucopyranoside

Synonym(s): Asp V

CAS Registry Number: 72947-84-3

Molecular Formula: C₄₅H₇₆O₁₈

Molecular Weight: 905.085

Accurate Mass: 904.50317

Percentage Composition: C 59.72%; H 8.46%; O 31.82%

Biological Source: Constit. of *Asparagus cochinchinensis*

Physical Description: Powder (Me₂CO/MeOH)

Melting Point: Mp 150-160 dec. $^{\circ}$

Optical Rotation: [α]_D²⁴ -56.5 (c, 1 in MeOH)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 3)- β -D-glucopyranosyl-(1 $\rightarrow$ 2)-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside], 26-*O*- β -D-glucopyranoside

Synonym(s): Sativoside R1

CAS Registry Number: 126594-43-2

Molecular Formula: C₆₂H₁₀₄O₃₃

Molecular Weight: 1377.484

Accurate Mass: 1376.645995

Percentage Composition: C 54.06%; H 7.61%; O 38.33%

Biological Source: Constit. of *Allium sativum* (garlic)

Physical Description: Powder + 2H₂O (Me₂CO aq.)

Optical Rotation: [α]_D²⁶ -45 (c, 0.59 in Py)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 2)- β -D-galactopyranoside], 26-*O*- β -D-glucopyranoside

CAS Registry Number: 136656-07-0

Molecular Formula: C₄₅H₇₆O₁₉

Molecular Weight: 921.084

Accurate Mass: 920.498085

Percentage Composition: C 58.68%; H 8.32%; O 33.00%

Biological Source: Constit. of *Anemarrhena asphodeloides*

Physical Description: Cryst.

Other Data: Mp >243 $^{\circ}$ dec.

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 2)-[β -D-glucopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside], 26-*O*- β -D-glucopyranoside

Synonym(s): Timosaponin BV

CAS Registry Number: 215051-32-4

Molecular Formula: C₅₇H₉₆O₂₉

Molecular Weight: 1245.368

Accurate Mass: 1244.603735

Percentage Composition: C 54.97%; H 7.77%; O 37.26%

Biological Source: Constit. of *Anemarrhena asphodeliodes*