



Percentage Composition: C 60.87%; H 8.73%; O 30.41%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Powder

Melting Point: Mp 206-209°

Optical Rotation: $[\alpha]_D^{22} +19.4$ (c, 1 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], 20-*O*-[α-L-arabinofuranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Ginsenoside R_c

CAS Registry Number: 11021-14-0

Molecular Formula: C₅₃H₉₀O₂₂

Molecular Weight: 1079.281

Accurate Mass: 1078.59238

Percentage Composition: C 58.98%; H 8.40%; O 32.61%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Powder

Melting Point: Mp 199-201°

Optical Rotation: $[\alpha]_D^{22} +1.9$ (c, 1 in MeOH)

Sigma: G0902

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], 20-*O*-[α-L-arabinopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Ginsenoside R_{b2}

CAS Registry Number: 11021-13-9

Molecular Formula: C₅₃H₉₀O₂₂

Molecular Weight: 1079.281

Accurate Mass: 1078.59238

Percentage Composition: C 58.98%; H 8.40%; O 32.61%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Powder

Melting Point: Mp 200-203°

Optical Rotation: $[\alpha]_D^{22} +3$ (c, 1 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], 20-*O*-[β-D-xylopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Gypenoside LVI

CAS Registry Number: 105214-48-0

Molecular Formula: C₅₃H₉₀O₂₂

Molecular Weight: 1079.281

Accurate Mass: 1078.59238

Percentage Composition: C 58.98%; H 8.40%; O 32.61%

Biological Source: Isol. from *Gynostemma pentaphyllum*

Physical Description: Cryst. + 2.5H₂O

Melting Point: Mp 212-214°

Optical Rotation: $[\alpha]_D^{22} +7.9$ (c, 3.8 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], 20-*O*-[α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Gynosaponin E, Gypenoside V

CAS Registry Number: 80321-60-4

Molecular Formula: C₅₄H₉₂O₂₂

Molecular Weight: 1093.308

Accurate Mass: 1092.60803

Percentage Composition: C 59.32%; H 8.48%; O 32.19%

Biological Source: Constit. of *Gynostemma pentaphyllum* and *Gymnema sylvestre*

Physical Description: Cryst. + 3H₂O

Melting Point: Mp 199-201°

Optical Rotation: $[\alpha]_D^{22} +8.61$ (c, 1.4 in MeOH)