



Biological Source: Constit. of American ginseng (*Panax quinquefolium*)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 172-174°

Optical Rotation: $[\alpha]_D^{28} +34.6$ (c, 0.25 in MeOH)

UV: [neutral] $\lambda_{\max}$ 211 (log ϵ 4.3) (MeOH)

>>**Derivative:** 3-*O*-[6-*O*-2*E*-Octenoyl- β -D-glucopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside], 20-*O*-[β -D-glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): Quinquenoside II

CAS Registry Number: 208764-52-7

Molecular Formula: C₆₂H₁₀₄O₂₄

Molecular Weight: 1233.489

Accurate Mass: 1232.69176

Percentage Composition: C 60.37%; H 8.50%; O 31.13%

Biological Source: Constit. of American ginseng (*Panax quinquefolium*)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 168-170°

Optical Rotation: $[\alpha]_D^{28} +22.5$ (c, 0.25 in MeOH)

UV: [neutral] $\lambda_{\max}$ 205 (log ϵ 4.5) (MeOH)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside], 20-*O*- β -D-glucopyranoside

CAS Registry Number: 259795-16-9

Molecular Formula: C₄₈H₈₂O₁₈

Molecular Weight: 947.165

Accurate Mass: 946.55012

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

Biological Source: Constit. of *Panax notoginseng* and *Cyclanthera pedanta*

Physical Description: Amorph. powder

Melting Point: Mp 190-194°

Optical Rotation: $[\alpha]_D^{21} +13.2$ (c, 0.45 in MeOH)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 6)-6-*O*-acetyl- β -D-glucopyranoside], 20-*O*-[α -L-arabinofuranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): Ginsenoside Rs₂

CAS Registry Number: 87733-66-2

Molecular Formula: C₅₅H₉₂O₂₃

Molecular Weight: 1121.318

Accurate Mass: 1120.602945

Percentage Composition: C 58.91%; H 8.27%; O 32.82%

Biological Source: Isol. from *Panax ginseng*

Physical Description: Powder + 2H₂O

Optical Rotation: $[\alpha]_D^{16} +2.5$ (c, 1 in MeOH)

>>**Derivative:** 3-*O*-[β -D-Xylopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside], 20-*O*- β -D-glucopyranoside

Synonym(s): Vinaginsenoside R7

CAS Registry Number: 156009-83-5

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 vietnamensis*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{25} +17.8$ (c, 1.07 in MeOH)