



CAS Registry Number: 52286-58-5

Molecular Formula: C₄₂H₇₂O₁₄

Molecular Weight: 801.022

Accurate Mass: 800.49221

Percentage Composition: C 62.98%; H 9.06%; O 27.96%

Biological Source: Constit. of *Panax ginseng*

Biological Use/Importance: Shows antiischaemic, immunostimulant and other pharmacol. props. The first pure ginseng constit. to show nearly all the activities of the plant extract

Physical Description: Powder (Me₂CO)

Melting Point: Mp 197-198°

Optical Rotation: [α]_D³⁰ +7 (c, 1 in MeOH)

>> **Derivative:** 6-*O*-[α -L-Rhamnopyranosyl-(1→2)- β -D-glucopyranoside]

Synonym(s): Ginsenoside C. Chikusetsusaponin I. Ginsenoside R_{g2}

CAS Registry Number: 52286-74-5

Molecular Formula: C₄₂H₇₂O₁₃

Molecular Weight: 785.023

Accurate Mass: 784.497295

Percentage Composition: C 64.26%; H 9.24%; O 26.50%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 187-189°

Optical Rotation: [α]_D³⁰ +5.5 (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): Ginsenoside R_{b3}

CAS Registry Number: 68406-26-8

Molecular Formula: C₅₃H₉₀O₂₃

Molecular Weight: 1095.28

Accurate Mass: 1094.587295

Percentage Composition: C 58.12%; H 8.28%; O 33.60%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Powder (2-propanol)

Melting Point: Mp 193-195°

Optical Rotation: [α]_D²⁸ +19.4 (c, 1 in MeOH)

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

Synonym(s): Notoginsenoside R₁

CAS Registry Number: 80418-24-2

Molecular Formula: C₄₇H₈₀O₁₈

Molecular Weight: 933.138

Accurate Mass: 932.53447

Percentage Composition: C 60.50%; H 8.64%; O 30.86%

Biological Source: Constit. of roots of *Panax notoginseng*

Physical Description: Needles (H₂O)

Melting Point: Mp 215-217°

Optical Rotation: [α]_D²⁵ +15 (c, 1.0 in MeOH)

>> **Derivative:** 6-*O*-[β -D-Xylopyranosyl-(1→2)- β -D-glucopyranoside]

Synonym(s): Notoginsenoside R₂

CAS Registry Number: 80418-25-3

Molecular Formula: C₄₁H₇₀O₁₃

Molecular Weight: 770.996

Accurate Mass: 770.481645

Percentage Composition: C 63.87%; H 9.15%; O 26.98%

Biological Source: Constit. of *Panax notoginseng*

Physical Description: Powder

Optical Rotation: [α]