



CAS Registry Number: 63223-86-9

Molecular Formula: C₃₆H₆₂O₉

Molecular Weight: 638.88

Accurate Mass: 638.439385

Percentage Composition: C 67.68%; H 9.78%; O 22.54%

Biological Source: Isol. from *Panax* spp.

Physical Description: Powder + 1½H₂O

Optical Rotation: [α]_D²² +20 (c, 0.88 in MeOH)

>>**Derivative:** 20-*O*- β -D-Glucopyranoside

Synonym(s): Ginsenoside F₁

CAS Registry Number: 53963-43-2

Molecular Formula: C₃₆H₆₂O₉

Molecular Weight: 638.88

Accurate Mass: 638.439385

Percentage Composition: C 67.68%; H 9.78%; O 22.54%

Biological Source: Isol. from *Panax* spp.

Physical Description: Powder + 1H₂O

Optical Rotation: [α]_D²⁵ +36.6 (c, 1.12 in MeOH)

>>**Derivative:** 3,20-Di-*O*- β -D-glucopyranoside

Synonym(s): Ginsenoside I_a

CAS Registry Number: 177745-52-7

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*

Physical Description: Powder

Melting Point: Mp 190-191°

>>**Derivative:** 6,20-Di-*O*- β -D-glucopyranoside

Synonym(s): Ginsenoside A₂, Panaxoside A, Sanchinoside C₁, Ginsenoside Rg₁

CAS Registry Number: 22427-39-0

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*

Physical Description: Powder

Melting Point: Mp 194-196.5°

Optical Rotation: [α]_D¹⁹ +32 (Py)

Hazard & Toxicity: LD₅₀ (mus, ipr) 405 mg/kg

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

Synonym(s): Ginsenoside B₂, Chikusetsusaponin IVc, Ginsenoside R_c

CAS Registry Number: 52286-59-6

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 ginseng* and *Panax japonicum*

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 201-203°

Optical Rotation: [α]_D³⁰ 0 (c, 1 in MeOH)