



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

Synonym(s): Notoginsenoside F_e

CAS Registry Number: 88105-29-7

Molecular Formula: C₄₇H₈₀O₁₇

Molecular Weight: 917.139

Accurate Mass: 916.539555

Percentage Composition: C 61.55%; H 8.79%; O 29.66%

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

Physical Description: Needles (MeOH)

Melting Point: Mp 179-184°

Optical Rotation: [α]_D²⁷ -0.3 (c, 0.8 in MeOH)

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

CAS Registry Number: 259795-17-0

Molecular Formula: C₄₇H₈₀O₁₇

Molecular Weight: 917.139

Accurate Mass: 916.539555

Percentage Composition: C 61.55%; H 8.79%; O 29.66%

Biological Source: Constit. of *Panax notoginseng*

Physical Description: Amorph. powder

Melting Point: Mp 189-192°

Optical Rotation: [α]_D²¹ +34.5 (c, 0.08 in MeOH)

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

Synonym(s): Gynosaponin I. Gypenoside IX. Notoginsenoside F_d

CAS Registry Number: 80321-63-7

Molecular Formula: C₄₇H₈₀O₁₇

Molecular Weight: 917.139

Accurate Mass: 916.539555

Percentage Composition: C 61.55%; H 8.79%; O 29.66%

Biological Source: Constit. of *Gynostemma pentaphyllum* and *Panax notoginseng*

Physical Description: Cryst. + 3H₂O

Melting Point: Mp 183-185°

Optical Rotation: [α]_D²⁷ +1 (c, 3 in MeOH). [α]_D²² +14.2 (c, 1.5 in H₂O)

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

Synonym(s): Gynosaponin J. Gypenoside X

CAS Registry Number: 80330-76-3

Molecular Formula: C₄₈H₈₂O₁₇

Molecular Weight: 931.166

Accurate Mass: 930.555205

Percentage Composition: C 61.91%; H 8.88%; O 29.21%

Biological Source: Constit. of *Gynostemma pentaphyllum*

Physical Description: Cryst. + 4H₂O

Melting Point: Mp 189-191°

Optical Rotation: [α]_D²² +13.3 (c, 1.5 in MeOH)

>>>Derivative: 3-*O*-β-D-Glucopyranoside, 20-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Gynosaponin S. Gypenoside XVII

CAS Registry Number: 80321-69-3

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 *Gynostemma pentaphyllum* and *Panax* spp.

Physical Description: Powder

Melting Point: Mp 179-181°

Optical Rotation: [α]_D²² +20.6 (c, 1.4 in MeOH)