



>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-α-L-arabinopyranoside], 28-*O*-β-D-xylopyranosyl ester

Synonym(s): Scabioside D

CAS Registry Number: 29617-73-0

Molecular Formula: C₄₆H₇₄O₁₆

Molecular Weight: 883.081

Accurate Mass: 882.49769

Percentage Composition: C 62.57%; H 8.45%; O 28.99%

Biological Source: Isol. from roots of *Patrinia scabiosifolia*

Physical Description: Cryst. + 2H₂O (MeOH/1-butanol)

Optical Rotation: [α]_D²⁰ +4 (c, 6.4 in Py)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-galactopyranoside], 28-*O*-β-D-glucopyranosyl ester

Synonym(s): Saponin E8

CAS Registry Number: 171260-50-7

Molecular Formula: C₄₈H₇₈O₁₈

Molecular Weight: 943.133

Accurate Mass: 942.51882

Percentage Composition: C 61.13%; H 8.34%; O 30.54%

Biological Source: Constit. of *Ilex dumosa*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁰ +16 (c, 0.4 in Py)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→2)-6-*O*-acetyl-β-D-glucopyranoside], 28-*O*-β-D-glucopyranosyl ester

Synonym(s): Silphioside C

CAS Registry Number: 90452-91-8

Molecular Formula: C₅₀H₈₀O₁₉

Molecular Weight: 985.171

Accurate Mass: 984.529385

Percentage Composition: C 60.96%; H 8.18%; O 30.86%

Biological Source: Isol. from *Silphium perfoliatum*

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→3)-β-D-glucopyranoside], 28-*O*-β-D-glucopyranosyl ester

Synonym(s): Anchusoside 7

CAS Registry Number: 72811-81-5

Molecular Formula: C₄₈H₇₈O₁₈

Molecular Weight: 943.133

Accurate Mass: 942.51882

Percentage Composition: C 61.13%; H 8.34%; O 30.54%

Biological Source: Constit. of *Anchusa officinalis*

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→6)-β-D-glucopyranoside], 28-*O*-β-D-glucopyranosyl ester

CAS Registry Number: 287389-95-1

Molecular Formula: C₄₈H₇₈O₁₈

Molecular Weight: 943.133

Accurate Mass: 942.51882

Percentage Composition: C 61.13%; H 8.34%; O 30.54%

Biological Source: Constit. of *Gymnema sylvestre*

Physical Description: Amorph. powder

Melting Point: Mp 206-209°

Optical Rotation: [α]_D²⁰ -6.5 (c, 0.11 in MeOH)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucuronopyranoside], 28-*O*-β-D-glucopyranosyl ester

Synonym(s): Ginsenoside Ro. Chikusetsusaponin V

CAS Registry Number: 34367-04-9