



>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-6-deoxy-3-*O*-methyl-α-L-glucopyranoside]

Synonym(s): Thevebioside. Digitoxigenin glucosylthevetoside. Digitoxigenin glucosidothevetoside (incorr.)

CAS Registry Number: 114586-47-9

Molecular Formula: C₃₆H₅₆O₁₃

Molecular Weight: 696.831

Accurate Mass: 696.372095

Percentage Composition: C 62.05%; H 8.10%; O 29.85%

Biological Source: Isol. from *Thevetia neriifolia*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 233°

Optical Rotation: [α]_D²³ -64.4 (MeOH)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-6-deoxy-α-D-glucopyranoside]

Synonym(s): Digitoxigenin glucosylglucomethyloside. Digitoxigenin glucosidoglucomethyloside (incorr.)

CAS Registry Number: 17059-25-5

Molecular Formula: C₃₅H₅₄O₁₃

Molecular Weight: 682.804

Accurate Mass: 682.356445

Percentage Composition: C 61.57%; H 7.97%; O 30.46%

Biological Source: Isol. from leaves of *Digitalis lanata*, also detected chromatographically in several other *Digitalis* spp.

Physical Description: Cryst. + 1H₂O (EtOAc)

Melting Point: Mp 216-223°

Optical Rotation: [α]_D -7.3

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-6-deoxy-3-*O*-methyl-β-D-glucopyranoside]

Synonym(s): Obebioside A. Digitoxigenin glucosylthevetoside. Digitoxigenin glucosidothevetoside (incorr.)

CAS Registry Number: 17059-27-7

Molecular Formula: C₃₆H₅₆O₁₃

Molecular Weight: 696.831

Accurate Mass: 696.372095

Percentage Composition: C 62.05%; H 8.10%; O 29.85%

Biological Source: Isol. from *Adenium obesum*

Physical Description: Prisms (MeOH)

Melting Point: Mp 267-270°

Optical Rotation: [α]_D²⁵ -2.9 (c, 0.96 in MeOH)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-6-deoxyguloside]

Synonym(s): Glucodigigulomethyloside

CAS Registry Number: 58801-03-9

Molecular Formula: C₃₅H₅₄O₁₃

Molecular Weight: 682.804

Accurate Mass: 682.356445

Percentage Composition: C 61.57%; H 7.97%; O 30.46%

Biological Source: From *Cheiranthus allionii*

Physical Description: Cryst. (H₂O)

Melting Point: Mp 179-182 and 197-198°

Optical Rotation: [α]_D²⁰ -32.1 (c, 0.7 in MeOH)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-2,6-dideoxy-β-D-*arabino*-hexopyranoside]

Synonym(s): Digitoxigenin canarobioside. Digitoxigenin glucosylcarnaroside. Digitoxigenin glucosidocarnaroside (incorr.)

Molecular Formula: C₃₅H₅₄O₁₂

Molecular Weight: 666.804

Accurate Mass: 666.36153

Percentage Composition: C 63.04%; H 8.16%; O 28.79%

Biological Source: Isol. from *Isoplexis isabelliana*

Physical Description: Cryst. (MeOH/CHCl₃)

Melting Point: Mp 260-264°

Optical Rotation: [α]_D²⁵ -20 (Py)