



>>>Derivative: 3-*O*-(6-Deoxy-3-*O*-methyl-β-D-galactopyranoside)

Synonym(s): Odoroside H. Digitoxigenin digitaloside

CAS Registry Number: 18810-25-8

Molecular Formula: C₃₀H₄₆O₈

Molecular Weight: 534.689

Accurate Mass: 534.31927

Percentage Composition: C 67.39%; H 8.67%; O 23.94%

Biological Source: Isol. from *Digitalis* spp., *Nerium* spp., *Strophanthus* spp., *Phyrygilanthus celastroides* and others

Physical Description: Prisms (MeOH/Et₂O)

Melting Point: Mp 242-243°

Optical Rotation: [α]_D +8.46 (c, 1.06 in MeOH)

Hazard & Toxicity: LD₅₀ (cat, ivn) 0.2 mg/kg

>>>Derivative: 3-*O*-[6-Deoxy-β-D-glucopyranosyl]

Synonym(s): Digitoxigenin glucomethyloside

CAS Registry Number: 40950-57-0

Molecular Formula: C₂₉H₄₄O₈

Molecular Weight: 520.662

Accurate Mass: 520.30362

Percentage Composition: C 66.90%; H 8.52%; O 24.58%

Biological Source: Isol. from *Isoplexis isabelliana* and *Digitalis lanata*

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 222-224°

Optical Rotation: [α]_D²² -11.4 (c, 1.5 in MeOH)

>>>Derivative: 3-*O*-(6-Deoxy-3-*O*-methyl-α-L-glucopyranoside)

Synonym(s): Neriifolin

CAS Registry Number: 466-07-9

Molecular Formula: C₃₀H₄₆O₈

Molecular Weight: 534.689

Accurate Mass: 534.31927

Percentage Composition: C 67.39%; H 8.67%; O 23.94%

Biological Source: Isol. from *Thevetia neriifolia*, *Thevetia peruviana* and *Cerbera* spp.

Biological Use/Importance: Antineoplastic, cardiotonic agent

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 218-225°

Optical Rotation: [α]_D²³ -50.2 (MeOH)

Calculated Log P Data: Log P 2.06 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (cat, ivn) 0.2 mg/kg

Sigma: N8756

>>>Derivative: 3-*O*-(6-Deoxy-3-*O*-methyl-β-D-glucopyranoside)

Synonym(s): Hongkelin. Honghelin

CAS Registry Number: 560-67-8

Molecular Formula: C₃₀H₄₆O₈

Molecular Weight: 534.689

Accurate Mass: 534.31927

Percentage Composition: C 67.39%; H 8.67%; O 23.94%

Biological Source: Constit. of *Adenium honghel*

Physical Description: Cryst.

Melting Point: Mp 130-135°

Optical Rotation: [α]_D²⁶ -10.3 (MeOH)

UV: [neutral] λ_{max} 220 () (EtOH) (Berdy)