>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-β-D-glucopyranosyl-(1→4)-2,6-dideoxy-3-*O*-methyl-β-D-*ribo*-hexopyranoside]
Synonym(s): 17α-Digitoxigenin gentiobiosylcymaroside

CAS Registry Number: 129830-68-8

Molecular Formula: $C_{42}H_{66}O_{17}$
Molecular Weight: 842.973
Accurate Mass: 842.430005
Percentage Composition: C 59.84%; H 7.89%; O 32.27%
Biological Source: Isol. from *Beaumontia brevituba*
Physical Description: Solid
Optical Rotation: $[\alpha]_D^{26}$+2 (c, 0.4 in MeOH)

>>**Derivative:** 3-Ac

Molecular Formula: $C_{25}H_{36}O_5$
Molecular Weight: 416.556
Accurate Mass: 416.256275
Percentage Composition: C 72.09%; H 8.71%; O 19.20%
Melting Point: Mp 170°. Mp 242-244° (double Mp)
Optical Rotation: $[\alpha]_D^{21}$+27.4 ($CHCl_3$)

>>**Variant:** (3β,5β,14β,17β)-form
Synonym(s): Digitoxigenin. Thevetigenin. Cerberigenin. Echujetin

CAS Registry Number: 143-62-4

Molecular Formula: $C_{23}H_{34}O_4$
Molecular Weight: 374.519
Accurate Mass: 374.24571
Percentage Composition: C 73.76%; H 9.15%; O 17.09%
Biological Source: Widely distributed aglycone. Found in the Scrophulariaceae, Asclepiadaceae, Apocynaceae and Periplocaceae
Biological Use/Importance: Cardiotonic agent
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 253°
Optical Rotation: $[\alpha]_D^{17}$+19.1 (c, 1.4 in MeOH)
Hazard & Toxicity: LD_{50} (mus, orl) 26.2 mg/kg

>>**Derivative:** 3-*O*-β-D-Allopyranoside

CAS Registry Number: 148092-06-2

Molecular Formula: $C_{29}H_{44}O_9$
Molecular Weight: 536.661
Accurate Mass: 536.298535
Percentage Composition: C 64.90%; H 8.26%; O 26.83%
Biological Source: Constit. of the defence secretion of the beetle *Oreina gloriosa*

>>**Derivative:** 3-*O*-(2,3-Dideoxy-α-L-rhamnopyranoside)
Synonym(s): Ramnodigin, INN

CAS Registry Number: 33156-28-4

Molecular Formula: $C_{29}H_{44}O_6$
Molecular Weight: 488.663
Accurate Mass: 488.31379
Percentage Composition: C 71.28%; H 9.08%; O 19.64%
Biological Use/Importance: Cardiotonic agent
Development Status: Never marketed
Melting Point: Mp 218°
Optical Rotation: $[\alpha]_D^{20}$–41 (c, 0.5 in MeOH)
Calculated Log P Data: Log P 3.01 (uncertain value) (calc)