



Accurate Mass: 536.298535
Percentage Composition: C 64.90%; H 8.26%; O 26.83%

Physical Description: Granules (MeOH/Et₂O)
Melting Point: Mp 169-174°. Mp 220-227° (double Mp)

>>**Derivative:** 3-*O*-(2-Deoxy-β-*D*-*lyxo*-hexopyranoside)

Molecular Formula: C₂₉H₄₄O₉
Molecular Weight: 536.661
Accurate Mass: 536.298535
Percentage Composition: C 64.90%; H 8.26%; O 26.83%
Biological Source: Constit. of *Chrysolina banksi*

>>**Derivative:** 3-*O*-(6-*O*-Acetyl-2-deoxy-β-*D*-*lyxo*-hexopyranoside)

Molecular Formula: C₃₁H₄₆O₁₀
Molecular Weight: 578.698
Accurate Mass: 578.3091
Percentage Composition: C 64.34%; H 8.01%; O 27.65%
Biological Source: Constit. of *Chrysolina banksi*

>>**Derivative:** 3-*O*-(2,6-Dideoxy-3-*O*-methyl-β-*D*-*lyxo*-hexopyranoside)
Synonym(s): Vanderoside. Periplogenin diginoside. Neridiginoside

Molecular Formula: C₃₀H₄₆O₈
Molecular Weight: 534.689
Accurate Mass: 534.31927
Percentage Composition: C 67.39%; H 8.67%; O 23.94%

Physical Description: Platelets (MeOH/Et₂O)
Melting Point: Mp 217-222° (195.8-196.5°)
Optical Rotation: [α]_D²⁷+7.8 (CHCl₃). [α]_D²⁶+38.3 (c, 0.5 in CHCl₃)

>>**Derivative:** 3-*O*-(2,6-Dideoxy-β-*D*-*ribo*-hexopyranoside)
Synonym(s): Periplogenin digitoxoside

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 *Strophanthus ledienii*
Physical Description: Needles (MeOH/Et₂O)
Melting Point: Mp 145-156°
Optical Rotation: [α]_D²⁶+27.2 (CHCl₃)
Other Data: Prob. struct.

>>**Derivative:** 3-*O*-(2,6-Dideoxy-3-*O*-methyl-β-*D*-*ribo*-hexopyranoside)
Synonym(s): Periplocymarin. Periplogenin cymaroside

CAS Registry Number: 32476-67-8

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 *Strophanthus* spp., *Periploca* spp., *Castilla elastica* and others
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 145°
Optical Rotation: [α]_D²⁰+29 (MeOH)
Other Data: A higher-melting form, Mp 212° (from MeOH) has also been reported
Hazard & Toxicity: Highly toxic. LD₅₀ (cat) 0.154 mg/kg