



CAS Registry Number: 20231-81-6

Molecular Formula: C₃₅H₅₄O₁₄

Molecular Weight: 698.803

Accurate Mass: 698.35136

Percentage Composition: C 60.16%; H 7.79%; O 32.05%

Biological Source: Constit. of *Xysmalobium undulatum*, *Pachycarpus schinzianus*, *Asclepias curassavica* and *Gomphocarpus* sp. (Uzara root)

Physical Description: Cryst. (MeOH) or prisms (Py)

Melting Point: Mp 266-270°

Optical Rotation: [α]_D²⁰ -27 (c, 1.075 in Py)

Other Data: Struct. revised in 1997

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranoside]

Synonym(s): Neouzarin

CAS Registry Number: 41628-29-9

Molecular Formula: C₃₅H₅₄O₁₄

Molecular Weight: 698.803

Accurate Mass: 698.35136

Percentage Composition: C 60.16%; H 7.79%; O 32.05%

Biological Source: Constit. of *Cheiranthus allioni* and *Asclepias albicans*

Physical Description: Amorph.

Melting Point: Mp 292-300° (268-277°)

Optical Rotation: [α]_D¹⁹ -18.7 (c, 1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 217 (ϵ 14600) (MeOH) (Berdy)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranosyl-(1 $\rightarrow$ 4)-3-*O*-methyl- α -L-rhamnopyranoside]

Synonym(s): Uzarigenin gentiobiosylacofrioside

CAS Registry Number: 144300-22-1

Molecular Formula: C₄₂H₆₆O₁₈

Molecular Weight: 858.973

Accurate Mass: 858.42492

Percentage Composition: C 58.73%; H 7.74%; O 33.53%

Biological Source: Isol. from *Thevetia neriifolia*

Physical Description: Solid

Optical Rotation: [α]_D²⁷ -28.9 (c, 0.45 in MeOH)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranosyl-(1 $\rightarrow$ 4)-6-deoxy-3-*O*-methyl- β -D-galactopyranoside]

Synonym(s): Uzarigenin gentiobiosyldigitaloside

CAS Registry Number: 144300-15-2

Molecular Formula: C₄₂H₆₆O₁₈

Molecular Weight: 858.973

Accurate Mass: 858.42492

Percentage Composition: C 58.73%; H 7.74%; O 33.53%

Biological Source: Isol. from roots of *Nerium odorum*

Optical Rotation: [α]_D²⁹ -54.9 (c, 0.5 in MeOH)

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

Synonym(s): Uzarigenin gentiobiosylthevetoside

CAS Registry Number: 144300-21-0

Molecular Formula: C₄₂H₆₆O₁₈

Molecular Weight: 858.973

Accurate Mass: 858.42492

Percentage Composition: C 58.73%; H 7.74%; O 33.53%

Biological Source: Isol. from *Thevetia neriifolia*

Optical Rotation: [α]_D²⁴ -77.6 (c, 0.55 in MeOH)