



Molecular Formula: C₄₂H₆₆O₁₄
Molecular Weight: 794.975
Accurate Mass: 794.44526
Percentage Composition: C 63.46%; H 8.37%; O 28.18%
Biological Source: Constit. of *Uncaria tomentosa* and *Nauclea diderrichii*
Physical Description: Amorph. powder

>>Derivative: 3-*O*-α-L-Rhamnopyranoside

CAS Registry Number: 68680-67-1

Molecular Formula: C₃₆H₅₆O₉
Molecular Weight: 632.833
Accurate Mass: 632.392435
Percentage Composition: C 68.33%; H 8.92%; O 22.75%
Biological Source: Isol. from *Guettarda angelica* and *Canthium pubescens*

>>Derivative: 3-*O*-α-L-Rhamnopyranoside, 28-*O*-β-D-glucopyranosyl ester
Synonym(s): Gongganoside B

CAS Registry Number: 161161-64-4

Molecular Formula: C₄₂H₆₆O₁₄
Molecular Weight: 794.975
Accurate Mass: 794.44526
Percentage Composition: C 63.46%; H 8.37%; O 28.18%
Biological Source: Constit. of *Bhesa paniculata* and *Nauclea diderrichii*

>>Derivative: 3-*O*-β-D-Glucopyranoside
Synonym(s): Cinchonaglycoside C

CAS Registry Number: 79955-41-2

Molecular Formula: C₃₆H₅₆O₁₀
Molecular Weight: 648.832
Accurate Mass: 648.38735
Percentage Composition: C 66.64%; H 8.70%; O 24.66%
Biological Source: Isol. from cinchona bark and from *Nauclea* spp., *Guettarda angelica* and others
Physical Description: Cryst. (MeOH aq.) or powder
Melting Point: Mp 247-250° (117-120°)
Optical Rotation: [α]_D²⁰ +62 (c, 1.0 in EtOH)

>>Derivative: 3-*O*-β-D-Glucopyranoside, 28-β-D-glucopyranosyl ester

CAS Registry Number: 165198-41-4

Molecular Formula: C₄₂H₆₆O₁₅
Molecular Weight: 810.974
Accurate Mass: 810.440175
Percentage Composition: C 62.20%; H 8.20%; O 29.59%
Biological Source: Isol. from *Guettarda angelica*

>>Derivative: 3-*O*-[2-*O*-Sulfo-β-D-glucopyranoside], 28-*O*-β-D-glucopyranosyl ester
Synonym(s): Zygophyloside G

CAS Registry Number: 188554-59-8

Molecular Formula: C₄₂H₆₆O₁₈S
Molecular Weight: 891.039
Accurate Mass: 890.39699
Percentage Composition: C 56.62%; H 7.47%; O 32.32%; S 3.60%
Biological Source: Constit. of *Zygophyllum coccineum* and *Zygophyllum dumosum*
Physical Description: Cryst.
Melting Point: Mp 240-244°
Optical Rotation: [α]_D²⁵ +20 (c, 0.16 in MeOH)