



>>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 4)- β -D-glucuronopyranoside]

CAS Registry Number: 145204-17-7

Molecular Formula: C₄₂H₆₄O₁₅

Molecular Weight: 808.959

Accurate Mass: 808.424525

Percentage Composition: C 62.36%; H 7.97%; O 29.67%

Biological Source: Constit. of *Zygophyllum album*

>>>Derivative: 3-*O*-[β -D-Galactopyranosyl-(1 $\rightarrow$ 3)-6-deoxy- β -D-glucopyranoside]

CAS Registry Number: 194027-21-9

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*

Optical Rotation: $[\alpha]_D^{25} +18$ (c, 1 in MeOH)

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

Synonym(s): Rubelloside B

CAS Registry Number: 167875-39-0

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 *Adina rubella* and *Nauclea diderrichii*

Physical Description: Powder

Melting Point: Mp 252-253°

Optical Rotation: $[\alpha]_D^{17} +36.2$ (c, 0.4 in MeOH)

>>>Derivative: 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 4)- β -D-fucopyranoside], 28-*O*- β -D-glucopyranosyl ester

CAS Registry Number: 188898-13-7

Molecular Formula: C₄₈H₇₆O₁₉

Molecular Weight: 957.117

Accurate Mass: 956.498085

Percentage Composition: C 60.24%; H 8.00%; O 31.76%

Biological Source: Constit. of *Nauclea diderrichii* and *Adina rubella*

Physical Description: Powder

Melting Point: Mp 225-230°

Optical Rotation: $[\alpha]_D^{20} +32.6$ (c, 0.07 in MeOH)

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

CAS Registry Number: 104069-82-1

Molecular Formula: C₄₂H₆₆O₁₄

Molecular Weight: 794.975

Accurate Mass: 794.44526

Percentage Composition: C 63.46%; H 8.37%; O 28.18%

Biological Source: Isol. from *Guettarda angelica* and *Uncaria tomentosa*

>>>Derivative: 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 3)- α -L-rhamnopyranoside], 27-*O*- β -D-glucopyranosyl ester

Molecular Formula: C₄₈H₇₆O₁₉

Molecular Weight: 957.117

Accurate Mass: 956.498085

Percentage Composition: C 60.24%; H 8.00%; O 31.76%

Biological Source: Constit. of *Uncaria tomentosa*

Optical Rotation: $[\alpha]_D^{25} +25$ (c, 1 in MeOH)