



Molecular Weight: 856.957
Accurate Mass: 856.40927
Percentage Composition: C 58.87%; H 7.53%; O 33.61%
Biological Source: Constit. of *Apocynum cannabinum*
Physical Description: Solid
Optical Rotation: $[\alpha]_{\text{D}}^{23} -10.8$ (c, 0.36 in MeOH)

>>Derivative: 3-O-[β-D-Glucopyranosyl-(1→4)-β-D-glucopyranosyl-(1→4)-2,6-dideoxy-3-O-methyl-D-ribo-hexopyranoside]

CAS Registry Number: 163161-62-4
Type of Compound Code(s): VT0750
Molecular Formula: C₄₂H₆₄O₁₈
Molecular Weight: 856.957
Accurate Mass: 856.40927
Percentage Composition: C 58.87%; H 7.53%; O 33.61%
Biological Source: Constit. of *Apocynum cannabinum*
Physical Description: Solid
Optical Rotation: $[\alpha]_{\text{D}}^{25} -18.8$ (c, 0.95 in MeOH)

>>Derivative: 3-O-[β-D-Glucopyranosyl(1→6)-α-D-glucopyranosyl(1→4)-α-L-thevetoside]

Synonym(s): Thevetin A

CAS Registry Number: 37933-66-7
Type of Compound Code(s): AJ0750 AJ5000 VT0750
Molecular Formula: C₄₂H₆₄O₁₉
Molecular Weight: 872.956
Accurate Mass: 872.404185
Percentage Composition: C 57.79%; H 7.39%; O 34.82%
Biological Source: Constit. of *Thevetia nerifolia*
Physical Description: Cryst.
Melting Point: Mp 210°
Optical Rotation: $[\alpha]_{\text{D}}^{28} -62.5$

>>Derivative: Glycoside

Synonym(s): Violin

Type of Compound Code(s): VT0750 AJ5000 AJ0750
Biological Source: Isol. from seeds of *Cheiranthus allionii* and *Erysimum marschallianum*
Melting Point: Mp 170-176°. Mp 255-260° (double Mp)
Optical Rotation: $[\alpha]_{\text{D}}^{20} -36$
Other Data: Hydrol. gives 1 glucose and 1 2-deoxygulose (?) Ref. not clear. MF C₃₅H₅₀₋₅₂O₁₃₋₁₄

References:

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