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: $[\alpha]_D^{23}$ –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: $C_{42}H_{64}O_{18}$
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: $[\alpha]_D^{25}$ –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: $C_{42}H_{64}O_{19}$
Molecular Weight: 872.956
Accurate Mass: 872.404185
Percentage Composition: C 57.79%; H 7.39%; O 34.82%
Biological Source: Constit. of *Thevetia neriifolia*
Physical Description: Cryst.
Melting Point: Mp 210°
Optical Rotation: $[\alpha]_D^{28}$ –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: $[\alpha]_D^{20}$ –36
Other Data: Hydrol. gives 1 glucose and 1 2-deoxygulose (?) Ref. not clear. MF $C_{35}H_{50\text{-}52}O_{13\text{-}14}$

References:

Reichstein, T. *et al.*, *Helv. Chim. Acta*, 1952, **35**, 673; 730; 1073; 1953, **36**, 370; 1962, **45**, 907; 1963, **46**, 2886
Golab, T. *et al.*, *Helv. Chim. Acta*, 1959, **42**, 2418; 1960, **43**, 2035, *(Apocannoside, Cannodixoside, Cynocannoside)*
Bloch, R. *et al.*, *Helv. Chim. Acta*, 1960, **43**, 652; 1961, **44**, 1031, *(struct)*
Russel, J.H. *et al.*, *Helv. Chim. Acta*, 1961, **44**, 93; 1315, *(Alloboistroside, Allopaulioside)*
Göschke, R. *et al.*, *Helv. Chim. Acta*, 1961, **44**, 1031, *(Carpogenin)*
Wehrli, W. *et al.*, *Helv. Chim. Acta*, 1962, **45**, 1183; 1206, *(Malayoside)*
Maksyutina, N.P., *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1963, **150**, 180, *(Violin, Allionin)*
Roberts, K.D. *et al.*, *Helv. Chim. Acta*, 1963, **46**, 2886, *(rhamnoside)*
Biletskii, Yu.M., *CA*, 1964, **61**, 5452, *(Glucocorotoxigenin)*
Yamatova, R.Sh. *et al.*, *Khim. Prir. Soedin.*, 1965, **1**, 15; *Chem. Nat. Compd. (Engl. Transl.)*, 1965, **1**, 11, *(Apiobioside)*
Komissarenko, N.F. *et al.*, *Planta Med.*, 1969, **17**, 170, *(Coronillobioside)*
Tori, K. *et al.*, *Tetrahedron*, 1977, 717, *(struct)*
Jolad, S.D. *et al.*, *Phytochemistry*, 1986, **25**, 2581, *(19-Carboxylic acid glucoside)*
Abe, F. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 2028, *(Cannogenin glycosides)*
Makarevich, I.F. *et al.*, *Khim. Prir. Soedin.*, 1994, **30**, 269; *Chem. Nat. Compd. (Engl. Transl.)*, 1994, **30**, 245, *(Glucocheiranthoside)*
Pauli, G.F. *et al.*, *Phytochemistry*, 1999, **52**, 1075-1084, *(3-sulfate)*
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, EAQ050

https://www.baizuoyan.com - CopyRight ©baizuoyan