



Molecular Weight: 902.812
Accurate Mass: 902.24808
Percentage Composition: C 55.88%; H 5.14%; O 38.99%
Biological Source: Constit. of *Allium ursinum* (Liliaceae)
Optical Rotation: $[\alpha]_D^{25} -40$ (CHCl₃) (as per-Ac)
UV: [neutral] $\lambda_{\max}$ 226 (); 266 (sh) (); 300 (); 318 (sh) (); 355 () (MeOH)

>>**Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)-D-glucopyranoside], 2"-*O*-(4-hydroxy-3-methoxycinnamoyl)

Molecular Formula: C₄₃H₄₈O₂₃
Molecular Weight: 932.838
Accurate Mass: 932.258645
Percentage Composition: C 55.37%; H 5.19%; O 39.45%
Biological Source: Constit. of *Allium ursinum* (Liliaceae)
Optical Rotation: $[\alpha]_D^{25} -36$ (CHCl₃) (as per-Ac)

>>**Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→6)- β -D-glucopyranoside]

CAS Registry Number: 34336-18-0

Molecular Formula: C₃₃H₄₀O₂₀
Molecular Weight: 756.667
Accurate Mass: 756.2113
Percentage Composition: C 52.38%; H 5.33%; O 42.29%
Biological Source: Isol. from *Equisetum palustre* and other plant spp.
Physical Description: Yellow needles (MeOH aq.)
Melting Point: Mp 193-196°

>>**Derivative:** 3-*O*-[β -D-Galactopyranosyl-(1→2)- β -D-glucopyranoside]

CAS Registry Number: 83830-85-7

Molecular Formula: C₃₃H₄₀O₂₁
Molecular Weight: 772.666
Accurate Mass: 772.206215
Percentage Composition: C 51.30%; H 5.22%; O 43.48%
Biological Source: Constit. of *Datura innoxia*

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1→2)- α -L-rhamnopyranoside]

Molecular Formula: C₃₃H₄₀O₂₀
Molecular Weight: 756.667
Accurate Mass: 756.2113
Percentage Composition: C 52.38%; H 5.33%; O 42.29%
Physical Description: Constit. of the flowers of two *Crocus chrysanthus-biflorus* cultivars
UV: [neutral] $\lambda_{\max}$ 265 (); 310 (sh) (); 345 () (no solvent reported)

>>**Derivative:** 3-*O*-[β -D-Glucopyranosyl-(1→2)- β -D-galactopyranoside]

Molecular Formula: C₃₃H₄₀O₂₁
Molecular Weight: 772.666
Accurate Mass: 772.206215
Percentage Composition: C 51.30%; H 5.22%; O 43.48%
Biological Source: Constit. of *Trigonella foenum-graecum*
Physical Description: Amorph. powder
Melting Point: Mp 220-222°
Optical Rotation: $[\alpha]_D^{26} -37$ (c, 0.09 in H₂O)
UV: [neutral] $\lambda_{\max}$ 267 (log ϵ 4.33); 320 (sh) (log ϵ 4.18); 352 (log ϵ 4.25) (MeOH)