



Molecular Formula: C₃₅H₆₀O₅
Molecular Weight: 560.856
Accurate Mass: 560.444075
Percentage Composition: C 74.95%; H 10.78%; O 14.26%
Biological Source: Constit. of *Ulmus uyematsui* and *Urginea maritima*

>>Derivative: *O*-β-D-Galactopyranoside

CAS Registry Number: 55057-29-9
Extra CAS Registry Numbers(s): 51704-25-7

Molecular Formula: C₃₅H₆₀O₆
Molecular Weight: 576.855
Accurate Mass: 576.43899
Percentage Composition: C 72.88%; H 10.48%; O 16.64%
Biological Source: Constit. of *Hibiscus sabdariffa* leaves
Physical Description: Cryst. (CHCl₃)
Melting Point: Mp 275-277°
Optical Rotation: [α]_D -63 (c, 0.52 in Py)

>>Derivative: *O*-β-D-Glucopyranoside

Synonym(s): **Daucosterol**. Eleutheroside A. Alexandrin. Daucosterin. Sitogluside, INN. Sterolin. Nimbosterin. AW 10. BSSG. EU 4906. Ipuranol. Doursterol. Sitosteroline

CAS Registry Number: 474-58-8

Molecular Formula: C₃₅H₆₀O₆
Molecular Weight: 576.855
Accurate Mass: 576.43899
Percentage Composition: C 72.88%; H 10.48%; O 16.64%
Biological Source: Constit. of many plants
Use/Importance: Antineoplastic agent. Drug used to treat prostatic hypertrophy
Physical Description: Cryst. (Py/EtOH)
Melting Point: Mp 283-286° (270° dec.)
Optical Rotation: [α]_D²⁶ -41.5 (c, 0.4 in Py)
Calculated Log P Data: Log P 8.17 (uncertain value) (calc)

>>Derivative: *O*-(6-*O*-Hexadecanoyl-β-D-glucopyranoside)

Synonym(s): **Sitoindoside I**

CAS Registry Number: 18749-71-8

Molecular Formula: C₅₁H₉₀O₇
Molecular Weight: 815.268
Accurate Mass: 814.668655
Percentage Composition: C 75.14%; H 11.13%; O 13.74%
Biological Source: Constit. of fruits of banana (*Musa paradisiaca*) and fern *Woodwardia orientalis*
Use/Importance: Shows antiulcerogenic activity
Physical Description: Amorph. powder
Melting Point: Mp 163-165°
Optical Rotation: [α]_D -18.8 (CHCl₃)

>>Derivative: *O*-(3-*O*-Heptadecanoyl-β-D-glucopyranoside)

CAS Registry Number: 203928-00-1

Molecular Formula: C₅₂H₉₂O₇
Molecular Weight: 829.295
Accurate Mass: 828.684305
Percentage Composition: C 75.31%; H 11.18%; O 13.50%
Biological Source: Constit. of *Cistanche deserticola*