



Accurate Mass: 658.3717
Percentage Composition: C 67.45%; H 8.26%; O 24.28%
Biological Source: Isol. from *Phytolacca acinosa*
Melting Point: Mp 140°

>> **Derivative:** Glycoside
Synonym(s): Phytolaccatoxin

Molecular Formula: C₅₅H₉₀O₂₂
Molecular Weight: 1103.303
Accurate Mass: 1102.59238
Percentage Composition: C 59.88%; H 8.22%; O 31.90%

Other Data: Tentative MF. Gives Phytolaccagenin, D-xylose and D-glucose on hydrol.

>> **Derivative:** 3-*O*-β-D-Xylopyranoside
Synonym(s): Esculentoside E. Phytolaccoside G

CAS Registry Number: 65649-36-7

Molecular Formula: C₃₅H₅₄O₁₁
Molecular Weight: 650.805
Accurate Mass: 650.366615
Percentage Composition: C 64.59%; H 8.36%; O 27.04%
Biological Source: Isol. from *Phytolacca esculenta* and *Phytolacca americana*

>> **Derivative:** 3-*O*-β-D-Xylopyranoside, 30-Me ester
Synonym(s): Phytolaccasaponin G. Phytolaccoside B

CAS Registry Number: 60820-94-2

Molecular Formula: C₃₆H₅₆O₁₁
Molecular Weight: 664.832
Accurate Mass: 664.382265
Percentage Composition: C 65.04%; H 8.49%; O 26.47%
Biological Source: From *Phytolacca americana* and *Phytolacca esculenta*
Physical Description: Needles + 1H₂O (MeOH aq.)
Melting Point: Mp 266-269°
Optical Rotation: [α]_D²⁶+67.3 (c, 1.44 in EtOH)
Solubility: BERDY SOL: Sol. MeOH, Py
UV: [neutral] $\lambda_{\max}$ 210 (E1%/1cm 285) (MeOH) (Berdy)

>> **Derivative:** 3-*O*-β-D-Xylopyranoside, 28-*O*-β-D-glucopyranosyl ester
Synonym(s): Esculentoside S

CAS Registry Number: 156031-83-3

Molecular Formula: C₄₁H₆₄O₁₆
Molecular Weight: 812.947
Accurate Mass: 812.41944
Percentage Composition: C 60.58%; H 7.93%; O 31.49%
Biological Source: Constit. of *Phytolacca acinosa*

>> **Derivative:** 3-*O*-β-D-Xylopyranoside, 28-*O*-β-D-glucopyranosyl ester, 30-Me ester
Synonym(s): Esculentoside S

Molecular Formula: C₄₂H₆₆O₁₆
Molecular Weight: 826.974
Accurate Mass: 826.43509
Percentage Composition: C 61.00%; H 8.04%; O 30.96%
Biological Source: Constit. of *Phytolacca acinosa*
Physical Description: Cryst. (isopropanol)
Melting Point: Mp 205-210°
Optical Rotation: [α]_D²⁵+44.5 (c, 0.48 in MeOH)