



CAS Registry Number: 60820-96-4

Molecular Formula: C₃₆H₅₆O₁₂

Molecular Weight: 680.831

Accurate Mass: 680.37718

Percentage Composition: C 63.51%; H 8.29%; O 28.20%

Biological Source: Constit. of *Phytolacca esculenta*

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-β-D-xylopyranoside]

Synonym(s): Esculentoside F

CAS Registry Number: 95263-31-3

Molecular Formula: C₄₁H₆₄O₁₆

Molecular Weight: 812.947

Accurate Mass: 812.41944

Percentage Composition: C 60.58%; H 7.93%; O 31.49%

Biological Source: Isol. from *Phytolacca esculenta* bulbs

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-β-D-xylopyranoside], 20-epimer, 30-Me ester

Synonym(s): Phytolaccasaponin E. Phytolaccoside E

CAS Registry Number: 65497-07-6

Molecular Formula: C₄₂H₆₆O₁₆

Molecular Weight: 826.974

Accurate Mass: 826.43509

Percentage Composition: C 61.00%; H 8.04%; O 30.96%

Biological Source: Isol. from *Phytolacca americana* and *Phytolacca esculenta*

Physical Description: Powder

Melting Point: Mp 257-258°

Optical Rotation: [α]_D²¹ +51.3 (c, 0.99 in EtOH)

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-β-D-xylopyranosyl-(1→4)-β-D-glucopyranoside]

Synonym(s): Esculentoside Q

CAS Registry Number: 139163-19-2

Molecular Formula: C₄₇H₇₄O₂₁

Molecular Weight: 975.089

Accurate Mass: 974.472265

Percentage Composition: C 57.89%; H 7.65%; O 34.46%

Biological Source: Constit. of *Phytolacca esculenta*

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-β-D-xylopyranoside], 28-β-D-glucopyranosyl ester, 30-Me ester

Synonym(s): Phytolaccasaponin B. Esculentoside H

CAS Registry Number: 66656-92-6

Molecular Formula: C₄₈H₇₆O₂₁

Molecular Weight: 989.116

Accurate Mass: 988.487915

Percentage Composition: C 58.29%; H 7.74%; O 33.97%

Biological Source: Isol. from *Phytolacca americana*

Physical Description: Needles + 3H₂O

Melting Point: Mp 218-220°

Optical Rotation: [α]_D²⁹ +38.3 (c, 0.93 in EtOH)

Solubility: BERDY SOL: Sol. MeOH, butanol, H₂O

UV: [neutral] λ_{max} 213 () (MeOH) (Berdy)