



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

Synonym(s): Trillarin

CAS Registry Number: 55639-73-1

Molecular Formula: C₃₉H₆₂O₁₃

Molecular Weight: 738.911

Accurate Mass: 738.419045

Percentage Composition: C 63.39%; H 8.46%; O 28.15%

Biological Source: Constit. of *Trillium erectum*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 211°

Optical Rotation: [α]_D −116 (EtOH)

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

Synonym(s): Funkioside C. Capsicoside B₃

CAS Registry Number: 60454-77-5

Molecular Formula: C₃₉H₆₂O₁₃

Molecular Weight: 738.911

Accurate Mass: 738.419045

Percentage Composition: C 63.39%; H 8.46%; O 28.15%

Biological Source: Constit. of *Funkia ovata*

>>>Derivative: 3-*O*-[β-D-Apiofuranosyl-(1→2)-[α-L-rhamnopyranosyl-(1→4)]-β-D-glucopyranoside]

Synonym(s): Aferoside A

CAS Registry Number: 182067-83-0

Molecular Formula: C₄₄H₇₀O₁₆

Molecular Weight: 855.027

Accurate Mass: 854.46639

Percentage Composition: C 61.81%; H 8.25%; O 29.94%

Biological Source: Constit. of *Costus afer*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁰ −108 (c, 0.16 in MeOH)

>>>Derivative: 3-*O*-[α-L-Arabinofuranosyl-(1→3)-[α-L-rhamnopyranosyl-(1→4)]-β-D-glucopyranoside]

Synonym(s): Pariphyllin

CAS Registry Number: 39012-21-0

Molecular Formula: C₄₄H₇₀O₁₆

Molecular Weight: 855.027

Accurate Mass: 854.46639

Percentage Composition: C 61.81%; H 8.25%; O 29.94%

Biological Source: Constit. of *Paris polyphylla*

Melting Point: Mp 294-298°

Optical Rotation: [α]_D²⁷ −104.4 (Py)

>>>Derivative: 3-*O*-[α-L-Arabinopyranosyl-(1→2)-α-L-arabinopyranosyl-(1→2)-α-L-arabinopyranoside]

Synonym(s): Convallasaponin E

CAS Registry Number: 23558-73-8

Molecular Formula: C₄₂H₆₆O₁₅

Molecular Weight: 810.974

Accurate Mass: 810.440175

Percentage Composition: C 62.20%; H 8.20%; O 29.59%

Biological Source: Isol. from *Convallaria keiskei*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 213-217°

Optical Rotation: [α]_D¹⁸ −149 (c, 0.44 in MeOH)