



Molecular Formula: C₃₄H₃₆O₆
Molecular Weight: 540.655
Accurate Mass: 540.25119
Percentage Composition: C 75.53%; H 6.71%; O 17.76%
Boiling Point: Bp_{0.01} 280°
Optical Rotation: [α]_D²⁰ +43 (c, 1 in CHCl₃)

>>Variant: β-D-form

CAS Registry Number: 4304-12-5

Molecular Formula: C₁₃H₁₈O₆
Molecular Weight: 270.282
Accurate Mass: 270.11034
Percentage Composition: C 57.77%; H 6.71%; O 35.52%
Biological Source: Constit. of *Epimedium grandiflorum* var. *thunbergianum*
Physical Description: Needles (EtOAc/MeOH)
Melting Point: Mp 123-125°
Optical Rotation: [α]_D²⁵ -59.2 (c, 0.67 in MeOH)
Sigma: B8917

>>Derivative: 2-O-Sulfate

Synonym(s): Salvadoside

CAS Registry Number: 143522-29-6

Molecular Formula: C₁₃H₁₈O₉S
Molecular Weight: 350.346
Accurate Mass: 350.067155
Percentage Composition: C 44.57%; H 5.18%; O 41.10%; S 9.15%
Biological Source: Constit. of *Salvadora persica*
Physical Description: Needles (MeOH) (as Na salt)
Melting Point: Mp 162-164° (Na salt)
Optical Rotation: [α]_D -36 (c, 0.025 in MeOH)

>>Derivative: Tetra-Ac

Synonym(s): Benzyl 2,3,4,6-tetra-O-acetyl-β-D-glucopyranoside

CAS Registry Number: 10343-13-2

Molecular Formula: C₂₁H₂₆O₁₀
Molecular Weight: 438.43
Accurate Mass: 438.1526
Percentage Composition: C 57.53%; H 5.98%; O 36.49%
Melting Point: Mp 101-104°

>>Derivative: Trimesyl

Synonym(s): Benzyl 3,4,6-tri-O-mesyl-β-D-glucopyranoside

CAS Registry Number: 172845-76-0

Molecular Formula: C₁₆H₂₄O₁₂S₃
Molecular Weight: 504.556
Accurate Mass: 504.04299
Percentage Composition: C 38.09%; H 4.79%; O 38.05%; S 19.07%
Physical Description: Needles
Melting Point: Mp 137-139°
Other Data: CAS no. refers to d₆-DMSO complex