



>>Derivative: 5-*O*-β-D-Apiofuranoside

Synonym(s): Uldavioside A

CAS Registry Number: 125322-89-6

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Constit. of *Ulmus davidiana*

>>Derivative: 7-*O*-β-D-Apiofuranoside

Synonym(s): Catechin 7-apioside

CAS Registry Number: 81905-13-7

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Isol. from *Polypodium vulgare*

Melting Point: Mp 171-174°

>>Derivative: 7-*O*-α-L-Arabinofuranoside

Synonym(s): Catechin 7-arabinofuranoside

CAS Registry Number: 81905-14-8

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Isol. from *Pseudotsuga vulgare*

Melting Point: Mp 189-191°

>>Derivative: 7-*O*-α-L-Arabinopyranoside

Synonym(s): Polydine

CAS Registry Number: 29289-02-9

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Obt. from rhizomes of *Polypodium vulgare*

Melting Point: Mp 191-193°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -121.6$

>>Derivative: 7-*O*-β-D-Xylopyranoside

Synonym(s): Catechin 7-xyloside

CAS Registry Number: 42830-48-8

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Isol. from *Ulmus americana*, *Ulmus laevis* and *Spiraea hypericifolia*

Melting Point: Mp 165-167°

Optical Rotation: $[\alpha]_{\text{D}} -34$ (H₂O)