



Physical Description: Prisms (Et₂O)

Melting Point: Mp 112°

Boiling Point: Bp₂₀ 290-293°

>>**Derivative:** *O*-β-D-Glucopyranoside

Synonym(s): Phlorin

CAS Registry Number: 28217-60-9

Molecular Formula: C₁₂H₁₆O₈

Molecular Weight: 288.254

Accurate Mass: 288.08452

Percentage Composition: C 50.00%; H 5.59%; O 44.40%

Biological Source: Isol. from thyme (*Thymus vulgaris*) and from citrus fruit. Proposed marker for adulteration of orange juice with peel

Physical Description: Cryst.

Melting Point: Mp 231-233°

Optical Rotation: [α]_D²² -74.58

>>**Derivative:** *O*-β-D-Glucopyranoside, hexa-Ac

Physical Description: Cryst.

Melting Point: Mp 154-155.5°

Optical Rotation: [α]_D²¹ -26 (c, 2.0 in CHCl₃)

>>**Derivative:** *O*-β-D-Glucopyranoside, mono-Me ether

Synonym(s): 3-Hydroxy-5-methoxyphenyl β-D-glucoside. **Picraquassioside D**

CAS Registry Number: 148707-37-3

Molecular Formula: C₁₃H₁₈O₈

Molecular Weight: 302.28

Accurate Mass: 302.10017

Percentage Composition: C 51.66%; H 6.00%; O 42.34%

Biological Source: Constit. of *Picrasma quassioides* and the flowers of *Sedum sediforme*

Physical Description: Powder

Optical Rotation: [α]_D²⁰ -68 (c, 0.5 in MeOH)

>>**Derivative:** *O*-β-Glucopyranoside, di-Me ether

Synonym(s): Taxicatin

CAS Registry Number: 90-71-1

Molecular Formula: C₁₄H₂₀O₈

Molecular Weight: 316.307

Accurate Mass: 316.11582

Percentage Composition: C 53.16%; H 6.37%; O 40.47%

Biological Source: Isol. from needles of *Taxus baccata*

Melting Point: Mp 170°

Optical Rotation: [α]_D -72

>>**Derivative:** *O*-(6-*O*-3,4,5-Trihydroxybenzoyl-β-D-glucopyranoside)

Synonym(s): 3,5-Dihydroxyphenyl 1-*O*-(6-*O*-galloyl-β-D-glucopyranoside)

CAS Registry Number: 94356-21-5

Molecular Formula: C₁₉H₂₀O₁₂

Molecular Weight: 440.36

Accurate Mass: 440.09548

Percentage Composition: C 51.82%; H 4.58%; O 43.60%

Biological Source: Isol. from commercial rhubarb (*Rheum* spp.)

Physical Description: Needles + 1H₂O (H₂O)

Melting Point: Mp 168-169°

Optical Rotation: [α]_D²⁵ -41.2 (c, 0.59 in MeOH)