Physical Description: Yellow needles (MeOH/Py)
Melting Point: Mp 244-246 dec.° (264°)
Optical Rotation: $[\alpha]_D^{27}$ –105 (c, 0.575 in Py)
Other Data: May be identical with Serotrin and Incarnatrin descr. in 1910 from *Prunus serotina* and *Trifolium incarnatum* resp. (Power and Moore: Rogerson)

>>**Derivative:** 3'-*O*-β-D-Glucopyranoside
Synonym(s): Quercetin 3'-glucoside

CAS Registry Number: 19254-30-9

Molecular Formula: $C_{21}H_{20}O_{12}$
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Isol. from *Gossypium* spp., *Pseudotsuga menziesii* and other plant spp.
Physical Description: Yellow needles + 1½H_2O (Me_2CO aq.)
Melting Point: Mp 244-246° (240-241°)

>>**Derivative:** 7-Ac, 3'-*O*-β-D-glucopyranoside

Molecular Formula: $C_{23}H_{22}O_{13}$
Molecular Weight: 506.419
Accurate Mass: 506.106045
Percentage Composition: C 54.55%; H 4.38%; O 41.07%
Biological Source: Isol. from *Aesculus hippocastanum*
Melting Point: Mp 183-185°

>>**Derivative:** 4'-*O*-β-D-Glucopyranoside
Synonym(s): Quercetin 4'-glucoside. **Spiraein‡.** Spiraeoside. Spireoside

CAS Registry Number: 20229-56-5

Molecular Formula: $C_{21}H_{20}O_{12}$
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Isol. from *Spiraea ulmaria* and other plant spp.
Physical Description: Yellow needles (MeOH aq.)
Melting Point: Mp 240-241° (209-210°)
Optical Rotation: $[\alpha]_D^{27}$ –32.6 (c, 0.71 in Py). $[\alpha]_D^{17}$ –69 (MeOH)

>>**Derivative:** 4'-*O*-[3,4,5-Trihydroxybenzoyl-(→6)-β-D-glucopyranoside]
Synonym(s): Quercetin 4'-(6-galloylglucoside)

CAS Registry Number: 149998-41-4

Molecular Formula: $C_{28}H_{24}O_{16}$
Molecular Weight: 616.488
Accurate Mass: 616.10644
Percentage Composition: C 54.55%; H 3.92%; O 41.52%
Biological Source: Constit. of *Eucalyptus rostrata*
Physical Description: Yellow powder

>>**Derivative:** 3-*O*-β-D-Allopyranoside
Synonym(s): Quercetin 3-alloside. **Nikkoshidin**

CAS Registry Number: 90327-16-5

Molecular Formula: $C_{21}H_{20}O_{12}$
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Isol. from fronds of *Wagneriopteris formosa*