Accurate Mass: 448.100565
Percentage Composition: C 56.25%; H 4.50%; O 39.25%
Biological Source: Isol. from *Galega officinalis* and other plant spp.
Physical Description: Yellow needles (EtOH aq.)
Melting Point: Mp 260-280 dec.°

>>**Derivative:** 5-*O*-(6-*O*-Malonyl-β-D-glucopyranoside)

CAS Registry Number: 130733-27-6

Molecular Formula: $C_{24}H_{22}O_{14}$
Molecular Weight: 534.429
Accurate Mass: 534.10096
Percentage Composition: C 53.94%; H 4.15%; O 41.91%
Biological Source: Isol. from *Equisetum arvense*

>>**Derivative:** 7-*O*-β-D-Glucopyranoside
Synonym(s): Luteolin 7-glucoside. **Glucoluteolin.** Cinaroside. Cynaroside. Daphneflavonoloside. Flavopurposide. Luteoloside

CAS Registry Number: 5373-11-5

Molecular Formula: $C_{21}H_{20}O_{11}$
Molecular Weight: 448.382
Accurate Mass: 448.100565
Percentage Composition: C 56.25%; H 4.50%; O 39.25%
Biological Source: Widespread in plants. The commonest of all flavone glycosides
Biological Use/Importance: Shows exp. antiischaemic effects
Physical Description: Needles + 1½H_2O (EtOH), yellow needles + 2H_2O (Me_2CO aq.)
Melting Point: Mp 256-258° (254°)
Solubility: BERDY SOL: Sol. MeOH, butanol; fairly sol. H_2O; poorly sol. hexane
UV: [neutral] λ_{max} 253 (ε 13800); 254 (ε 18700); 256 (); 265 (ε 17000); 347 (ε 19200) (MeOH) (Berdy) [neutral] λ_{max} 256 (ε 20000); 350 (ε 22400) (EtOH) (Berdy) [base] λ_{max} 262 (); 264 (ε 20000); 267 (); 388 (); 393 (); 398 (ε 21000) (MeOH-NAOH) (Berdy)

>>**Derivative:** 7-*O*-(*O*-Sulfo-β-D-glucopyranoside)

Molecular Formula: $C_{21}H_{20}O_{14}S$
Molecular Weight: 528.447
Accurate Mass: 528.05738
Percentage Composition: C 47.73%; H 3.81%; O 42.39%; S 6.07%
Biological Source: Isol. from *Phoenix roebelenii*
UV: [neutral] λ_{max} 251 (ε 12300); 263 (ε 11480); 346 (ε 13490) (MeOH) (Berdy)

>>**Derivative:** 7-*O*-(2-*O*-Sulfo-β-D-glucopyranoside)
Synonym(s): 2''-Sulfoglucoluteolin

CAS Registry Number: 207683-70-3

Molecular Formula: $C_{21}H_{20}O_{14}S$
Molecular Weight: 528.447
Accurate Mass: 528.05738
Percentage Composition: C 47.73%; H 3.81%; O 42.39%; S 6.07%
Biological Source: Constit. of *Thalassia testudinum*
Use/Importance: Phytoalexin

>>**Derivative:** 7-*O*-(Disulfoglucoside)

CAS Registry Number: 121283-87-2

Molecular Formula: $C_{21}H_{20}O_{17}S_2$
Molecular Weight: 608.511
Accurate Mass: 608.014195
Percentage Composition: C 41.45%; H 3.31%; O 44.70%; S 10.54%
Biological Source: Isol. from *Phoenix dactylifera*