Percentage Composition: C 54.55%; H 5.09%; O 40.37%
Biological Source: Constit. of *Vicia truncatula*. Also from *Daphne pseudo-mezereum*
Melting Point: Mp 262-264°
Optical Rotation: $[\alpha]_D^{22}$ –53.8 (DMSO)

>>**Derivative:** 7-*O*-[Xylosyl-(1→?)-glucoside]

CAS Registry Number: 67166-50-1

Molecular Formula: $C_{27}H_{30}O_{15}$
Molecular Weight: 594.525
Accurate Mass: 594.158475
Percentage Composition: C 54.55%; H 5.09%; O 40.37%
Biological Source: Isol. from *Anacyclus* spp.

>>**Derivative:** 7-*O*-[α-L-Arabinopyranosyl-(1→6)-β-D-glucopyranoside]
Synonym(s): Palustroside‡

CAS Registry Number: 26931-72-6

Molecular Formula: $C_{27}H_{30}O_{15}$
Molecular Weight: 594.525
Accurate Mass: 594.158475
Percentage Composition: C 54.55%; H 5.09%; O 40.37%
Biological Source: Constit. of *Asperula* sp., *Galium* spp. and *Vinca* sp.
Physical Description: Cryst. (EtOH)
Melting Point: Mp 178-180°
Optical Rotation: $[\alpha]_D^{20}$ –59 (DMF)

>>**Derivative:** 7-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Diosmetin 7-sophoroside

CAS Registry Number: 75243-37-7

Molecular Formula: $C_{28}H_{32}O_{16}$
Molecular Weight: 624.551
Accurate Mass: 624.16904
Percentage Composition: C 53.85%; H 5.16%; O 40.99%
Biological Source: Isol. from *Glandularia binnatifida*

>>**Derivative:** 7-*O*-[β-D-Glucopyranosyl-(1→?)-β-D-glucopyranoside]

CAS Registry Number: 86683-00-3

Molecular Formula: $C_{28}H_{32}O_{16}$
Molecular Weight: 624.551
Accurate Mass: 624.16904
Percentage Composition: C 53.85%; H 5.16%; O 40.99%
Biological Source: Constit. of *Lupinus texensis* and *Carex* sp.

>>**Derivative:** 7-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Neodiosmin. Diosmetin 7-neohesperidoside

CAS Registry Number: 38665-01-9

Molecular Formula: $C_{28}H_{32}O_{15}$
Molecular Weight: 608.552
Accurate Mass: 608.174125
Percentage Composition: C 55.26%; H 5.30%; O 39.44%
Biological Source: Constit. of bitter orange (*Citrus aurantium*)
Physical Description: Pale yellow cryst. + $2H_2O$ (MeOH) or yellow needles
Melting Point: Mp 187-192° (synthetic). Mp 266-268°