CAS Registry Number: 14979-46-5

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 *Lupinus angustifolius, Lupinus polyphyllus*, *Lupinus luteus* and *Sophora japonica*
Melting Point: Mp 257-259°
Optical Rotation: $[\alpha]_D^{20}$ –36.2 (c, 3.24 in Py)
Other Data: Identity of the samples not certain

>>**Derivative:** 4'-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Sophorabioside. Genistein 4'-neohesperidoside

CAS Registry Number: 2945-88-2

Molecular Formula: $C_{27}H_{30}O_{14}$
Molecular Weight: 578.526
Accurate Mass: 578.16356
Percentage Composition: C 56.06%; H 5.23%; O 38.72%
Biological Source: Isol. from *Sophora japonica*
Physical Description: Yellowish needles + $3H_2O$
Melting Point: Mp 245-248° (unsharp) (anhyd.)
Optical Rotation: $[\alpha]_D^{19}$ –72.5 (Py) (anhyd.)

>>**Derivative:** 7-*O*-[α-L-Rhamnopyranosyl-(1→6)-β-D-glucopyranoside]
Synonym(s): Sphaerobioside. Genistein 7-rutinoside. Spherobioside

CAS Registry Number: 14988-20-6

Molecular Formula: $C_{27}H_{30}O_{14}$
Molecular Weight: 578.526
Accurate Mass: 578.16356
Percentage Composition: C 56.06%; H 5.23%; O 38.72%
Biological Source: Isol. from *Baptisia sphaerocarpa* and *Baptisia lecontii*
Physical Description: Needles (MeOH)
Melting Point: Mp 203-204°
Optical Rotation: $[\alpha]_D^{20}$ –73.3 (c, 9.9 in Py)

>>**Derivative:** 7-*O*-[β-D-Apiofuranosyl-(1→6)-β-D-glucopyranoside]
Synonym(s): Ambocin

CAS Registry Number: 108044-05-9

Molecular Formula: $C_{26}H_{28}O_{14}$
Molecular Weight: 564.499
Accurate Mass: 564.14791
Percentage Composition: C 55.32%; H 5.00%; O 39.68%
Biological Source: Constit. of *Neorautanenia amboensis*
Physical Description: Glass
Optical Rotation: $[\alpha]_D$ –36.5 (c, 0.011 in H_2O)

>>**Derivative:** 4'-*O*-β-D-Apiofuranoside, 7-*O*-β-D-glucopyranoside
Synonym(s): Neobacin

CAS Registry Number: 108069-00-7

Molecular Formula: $C_{26}H_{28}O_{14}$
Molecular Weight: 564.499
Accurate Mass: 564.14791
Percentage Composition: C 55.32%; H 5.00%; O 39.68%
Biological Source: From *Neorautanenia amboensis*
Physical Description: Glass
Optical Rotation: $[\alpha]_D$ –38.2 (c, 0.011 in H_2O)