Accurate Mass: 463.12404
Percentage Composition: C 57.02%; H 5.00%; O 37.98%
Biological Source: Isol. from various plant spp.
Physical Description: Dark red-brown needles + $1H_2O$ with green reflex (as chloride)

>>**Derivative:** 3-*O*-β-D-Galactopyranoside, 5-*O*-β-D-glucopyranoside
Synonym(s): Peonidin 3-galactoside 5-glucoside

Molecular Formula: $C_{28}H_{33}O_{16}^{(+)}$
Molecular Weight: 625.559
Accurate Mass: 625.176865
Percentage Composition: C 53.76%; H 5.32%; O 40.92%
Biological Source: Constit. of *Lathyrus odorata*

>>**Derivative:** 3-*O*-β-D-Glucopyranoside
Synonym(s): Oxycoccicyanin. Peonidin 3-glucoside

CAS Registry Number: 6906-39-4

Molecular Formula: $C_{22}H_{23}O_{11}^{(+)}$
Molecular Weight: 463.417
Accurate Mass: 463.12404
Percentage Composition: C 57.02%; H 5.00%; O 37.98%
Biological Source: Isol. from various plant spp. Present in red wine
Physical Description: Dark brown needles + $2H_2O$ (as chloride)

>>**Derivative:** 3-*O*-β-D-Glucopyranoside, 5-*O*-(6-*O*-acetyl-β-D-glucopyranoside)

Molecular Formula: $C_{30}H_{35}O_{17}^{(+)}$
Molecular Weight: 667.596
Accurate Mass: 667.18743
Percentage Composition: C 53.97%; H 5.28%; O 40.74%
Biological Source: Constit. of the flowers of *Pelargonium* spp.

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

CAS Registry Number: 144525-39-3

Molecular Formula: $C_{31}H_{35}O_{19}^{(+)}$
Molecular Weight: 711.606
Accurate Mass: 711.17726
Percentage Composition: C 52.32%; H 4.96%; O 42.72%
Biological Source: Found in the Labiatae

>>**Derivative:** 3-*O*-[4-Hydroxycinnamoyl-(→?)-β-D-glucopyranoside]

CAS Registry Number: 71802-54-5

Molecular Formula: $C_{31}H_{29}O_{13}^{(+)}$
Molecular Weight: 609.562
Accurate Mass: 609.16082
Percentage Composition: C 61.08%; H 4.80%; O 34.12%
Biological Source: Isol. from grapes

>>**Derivative:** 3-*O*-[4-Hydroxycinnamoyl-(→6)-β-D-glucopyranoside], 5-*O*-β-D-glucopyranoside

CAS Registry Number: 51939-65-2

Molecular Formula: $C_{37}H_{39}O_{18}^{(+)}$
Molecular Weight: 771.704
Accurate Mass: 771.213645
Percentage Composition: C 57.59%; H 5.09%; O 37.32%
Biological Source: Isol. from grapes