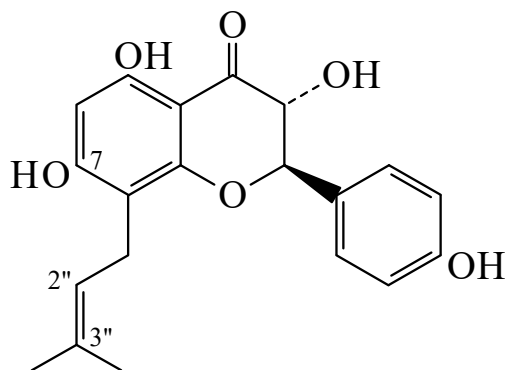




**>>Entry Name: Neophellamuretin**

**Synonym(s):** 2,3-Dihydro-3,5,7-trihydroxy-2-(4-hydroxyphenyl)-8-(3-methyl-2-butenyl)-4*H*-1-benzopyran-4-one, 9Cl. 3,4',5,7-Tetrahydroxy-8-prenylflavanone. 4',5,7-Trihydroxy-8-prenyldihydroflavonol



**CAS Registry Number:** 70594-41-1

**Related CAS Registry Numbers(s):** 156216-79-4 156258-54-7

**Molecular Formula:** C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>

**Molecular Weight:** 356.374

**Accurate Mass:** 356.12599

**Percentage Composition:** C 67.41%; H 5.66%; O 26.94%

**>>Variant:** (2*R*,3*R*)-form

**CAS Registry Number:** 52589-20-5

**Molecular Formula:** C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>

**Molecular Weight:** 356.374

**Accurate Mass:** 356.12599

**Percentage Composition:** C 67.41%; H 5.66%; O 26.94%

**Biological Source:** Isol. from *Marshallia obovata* and *Ougeinia dalbergioides*

**Physical Description:** Plates (C<sub>6</sub>H<sub>6</sub>/EtOAc/petrol)

**Melting Point:** Mp 190°

**>>Derivative:** 7-*O*-β-D-Glucopyranoside

**Synonym(s):** Phellamurin

**CAS Registry Number:** 52589-11-4

**Molecular Formula:** C<sub>26</sub>H<sub>30</sub>O<sub>11</sub>

**Molecular Weight:** 518.516

**Accurate Mass:** 518.178815

**Percentage Composition:** C 60.23%; H 5.83%; O 33.94%

**Biological Source:** Glycoside from leaves of *Phellodendron amurense*

**Physical Description:** Needles

**Melting Point:** Mp 205°

**>>Derivative:** 2'',3''-Dihydro, 3''-hydroxy

**Synonym(s):** 3,4',5,7-Tetrahydroxy-8-(3-hydroxy-3-methylbutyl)flavanone

**CAS Registry Number:** 124901-83-3

**Molecular Formula:** C<sub>20</sub>H<sub>22</sub>O<sub>7</sub>

**Molecular Weight:** 374.39

**Accurate Mass:** 374.136555

**Percentage Composition:** C 64.16%; H 5.92%; O 29.91%

**Biological Source:** Constit. of *Bursera leptophloeos*

**Melting Point:** Mp 221-222°

**>>Derivative:** 7-*O*-(6-*O*-Malonyl-β-D-glucopyranoside)

**CAS Registry Number:** 156216-76-1

**Molecular Formula:** C<sub>29</sub>H<sub>32</sub>O<sub>14</sub>

**Molecular Weight:** 604.563

**Accurate Mass:** 604.17921

**Percentage Composition:** C 57.61%; H 5.33%; O 37.05%

**Biological Source:** Constit. of the leaves of *Phellodendron japonicum*