



**Molecular Formula:** C<sub>30</sub>H<sub>20</sub>O<sub>11</sub>  
**Molecular Weight:** 556.481  
**Accurate Mass:** 556.100565  
**Percentage Composition:** C 64.75%; H 3.62%; O 31.63%  
**Biological Source:** Isol. from *Plagiomnium cuspidatum*

>>Derivative: 2",3"-Dihydro, 3',5""-dihydroxy (*S*-)  
**Synonym(s):** 2,3-Dihydro-3""',5'-dihydroxyamentoflavone

**CAS Registry Number:** 122475-59-6

**Molecular Formula:** C<sub>30</sub>H<sub>20</sub>O<sub>12</sub>  
**Molecular Weight:** 572.481  
**Accurate Mass:** 572.09548  
**Percentage Composition:** C 62.94%; H 3.52%; O 33.54%  
**Biological Source:** Isol. from *Plagiomnium cuspidatum*

>>Derivative: 2,2",3,3"-Tetrahydro  
**Synonym(s):** 4',4""',5,5",7,7"-Hexahydroxy-3""',8-biflavanone. **Tetrahydroamentoflavone.** 3',8"-Binaringenin

**CAS Registry Number:** 48236-96-0

**Molecular Formula:** C<sub>30</sub>H<sub>22</sub>O<sub>10</sub>  
**Molecular Weight:** 542.498  
**Accurate Mass:** 542.1213  
**Percentage Composition:** C 66.42%; H 4.09%; O 29.49%  
**Biological Source:** Constit. of *Semecarpus prainii* and others  
**Physical Description:** Powder  
**Melting Point:** Mp 234-238°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>23</sup> -19 (c, 0.68 in MeOH)  
**Other Data:** Has (2*S*,2"*S*)-config.

>>Derivative: 2,2",3,3"-Tetrahydro, 7-Me ether

**CAS Registry Number:** 99339-73-8

**Molecular Formula:** C<sub>31</sub>H<sub>24</sub>O<sub>10</sub>  
**Molecular Weight:** 556.525  
**Accurate Mass:** 556.13695  
**Percentage Composition:** C 66.90%; H 4.35%; O 28.75%  
**Biological Source:** Constit. of *Ochna pumila*  
**Physical Description:** Cryst. (MeOH)  
**Melting Point:** Mp 154°

>>Derivative: 2,2",3,3"-Tetrahydro, 7,7"-di-Me ether  
**Synonym(s):** 4',4""',5,5"-Dihydroxy-7,7"-dimethoxy-3""',8-biflavanone

**CAS Registry Number:** 111897-14-4

**Molecular Formula:** C<sub>32</sub>H<sub>26</sub>O<sub>10</sub>  
**Molecular Weight:** 570.551  
**Accurate Mass:** 570.1526  
**Percentage Composition:** C 67.37%; H 4.59%; O 28.04%  
**Biological Source:** Constit. of *Thuja gigantea* and *Thuja javanica*

>>Derivative: 2,2",3,3"-Tetrahydro, 4',7,7"-tri-Me ether  
**Synonym(s):** Podocarpusflavanone

**CAS Registry Number:** 110382-42-8

**Molecular Formula:** C<sub>33</sub>H<sub>28</sub>O<sub>10</sub>  
**Molecular Weight:** 584.578  
**Accurate Mass:** 584.16825  
**Percentage Composition:** C 67.80%; H 4.83%; O 27.37%  
**Biological Source:** Constit. of *Podocarpus taxifolia*  
**Physical Description:** Light brown powder (MeOH)  
**Melting Point:** Mp 236-238°  
**Other Data:** Has (*S*)-config.