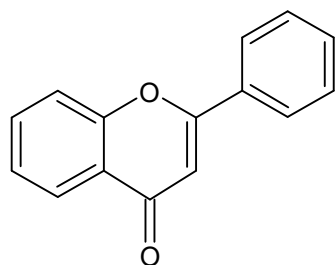
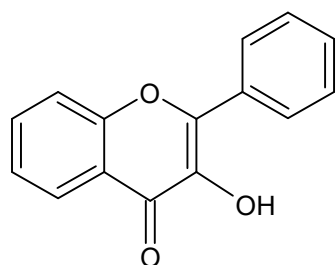


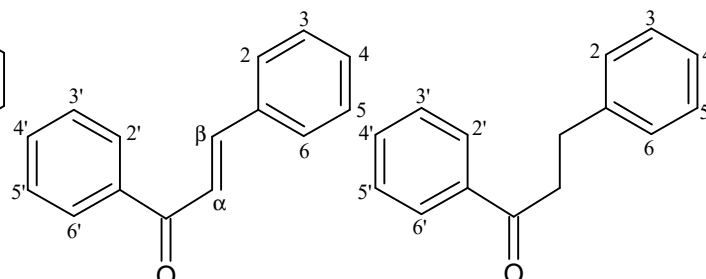
Basic skeleton of flavonoids



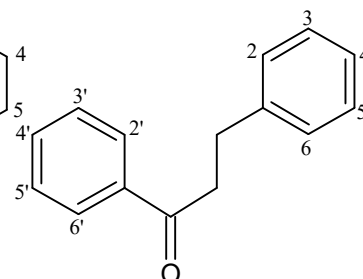
flavone



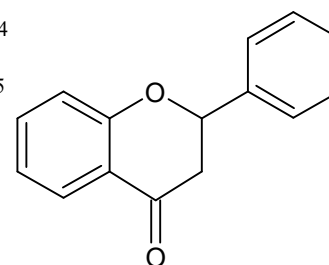
flavonol



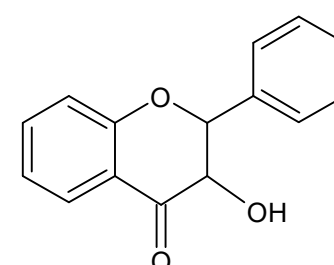
chalcone



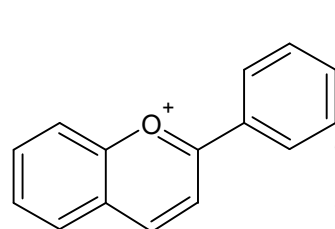
dihydrochalcone



flavanone

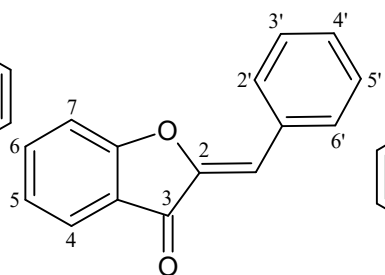


dihydroflavonol

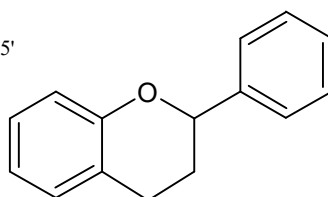


anthocyanidin

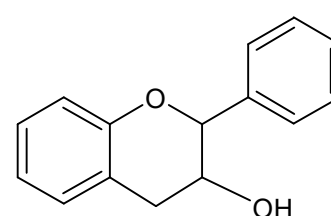
most common base of anthocyanin



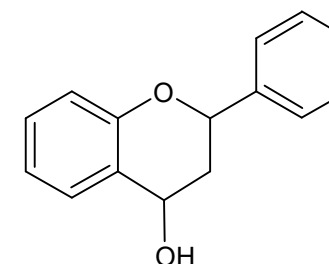
aurone



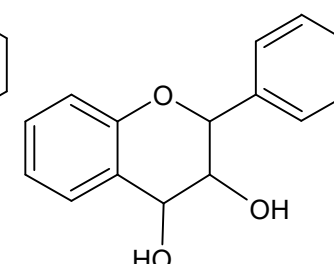
flavan



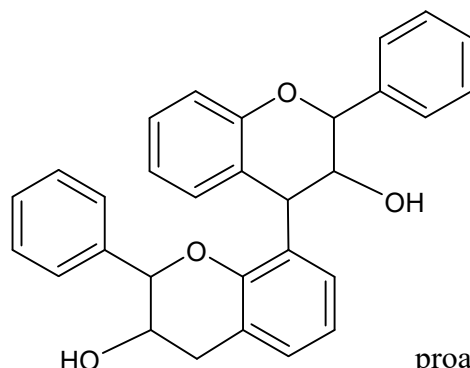
flavan-3-ol



flavan-4-ol

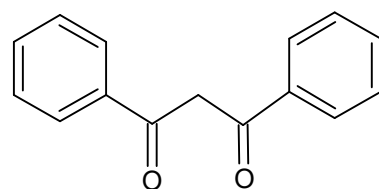


flavan-3,4-diol

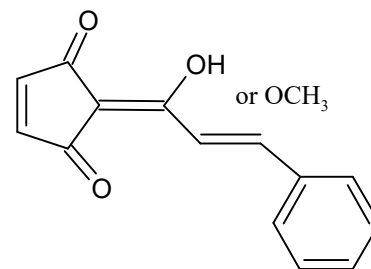


proanthocyanidin

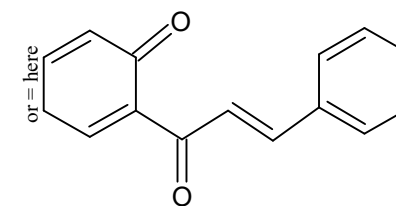
di-, tri-, tetra- and penta-meric flavan-3-ol



oxodihydrochalcone



chalcone cyclopentenedione

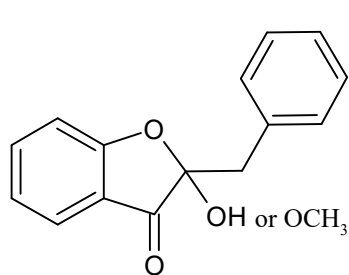


chalcone-quinol

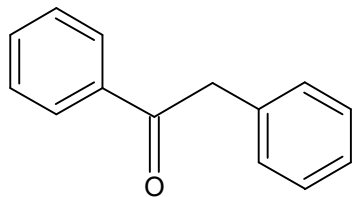
(including variations at quinol ring)

Refs:

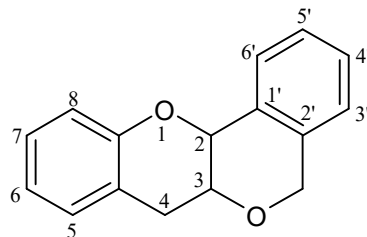
1. Iwashina T. The structure and distribution of the flavonoids in plants. J Plant Res. 2000, 113, 287-299.
2. Andersen OM, Markham KR (Eds). Flavonoids: Chemistry, Biochemistry and Applications. CRC Press, New York, 2006.
3. Harborne JB, Baxter H (Eds). The Handbook of Natural Flavonoids. John Wiley & Sons, Chichester, 1999.



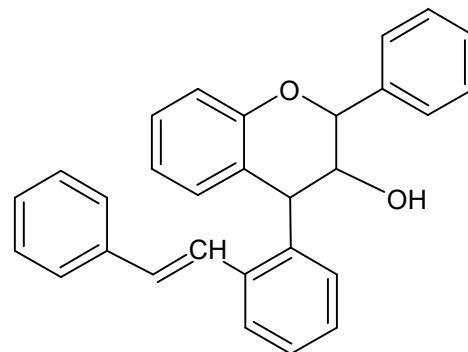
dihydroaurone



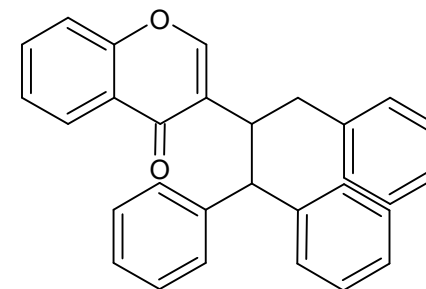
alpha-methyldeoxybenzoin



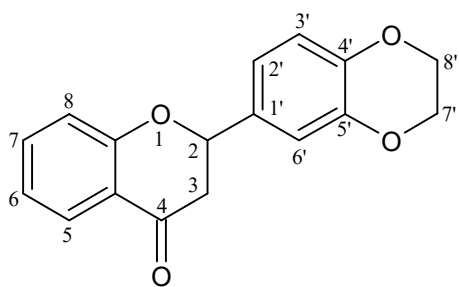
peltogynoid flavonoid<sup>a</sup>



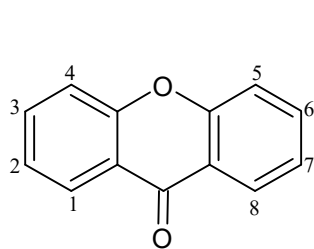
stilbeno-flavonoid



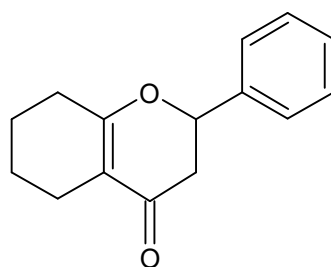
biflavonoid



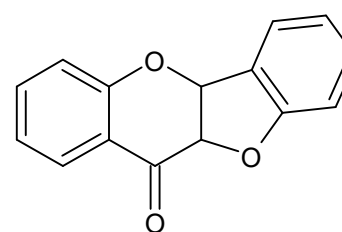
flavonolignan<sup>b</sup>



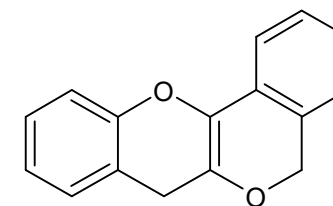
xanthone<sup>c</sup>



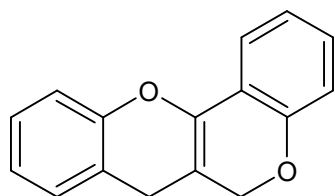
tetrahydroflavanones



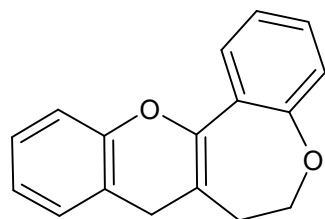
dihydroflavonol C3-C2' Ether Linkage (R5)<sup>d</sup>



dehydropeltogynoid



flavone C3-C2' Ether Linkage (R6)<sup>d</sup>



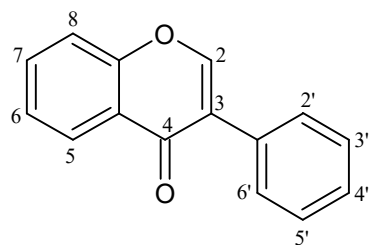
flavone C3-C2' Ether Linkage (R7)<sup>d</sup>

<sup>a</sup> Nomenclature can be referred to Harborne JB. The Flavonoids Advances in Research Since 1986. 1994; Harborne JB, et al. The Flavonoids. 1975.

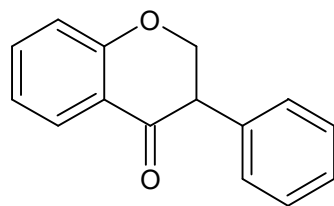
<sup>b</sup> Nomenclature can be referred to Biedermann D, Vavrkov E, Cvak L, Kren V. Nat Prod Rep, 2014, 31, 1138-1157

<sup>c</sup> Nomenclature can be referred to Roberts JC. Naturally Ocurring Xanthenes. Chem Rev. 1961, 61, 591-605.

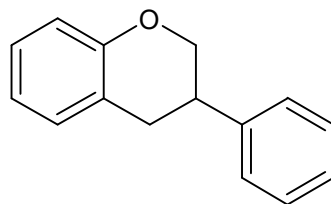
<sup>d</sup> Nomenclature can be referred to Andersen OM, Markham KR. Flavonoids: Chemistry, Biochemistry and Applications, 2005.



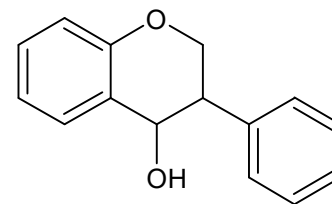
isoflavone



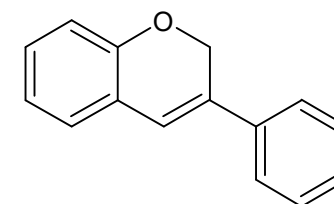
isoflavanone



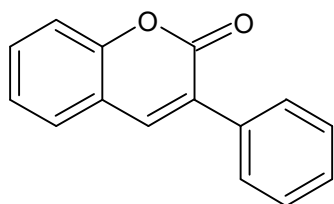
isoflavan



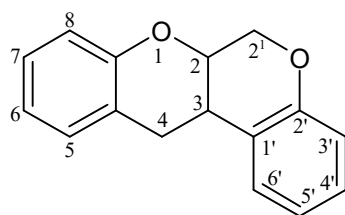
isoflavan-4-ol/isoflavanol



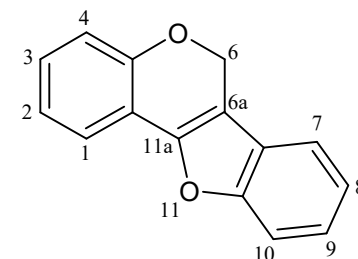
isoflav-3-ene



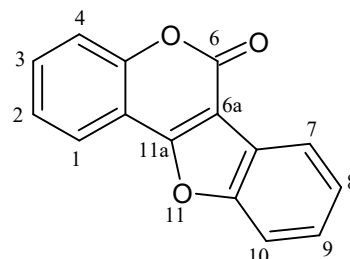
3-aryl coumarin



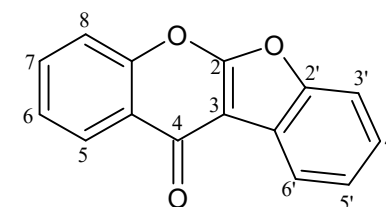
rotenoid



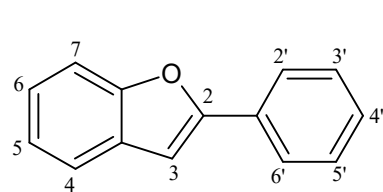
pterocarpan



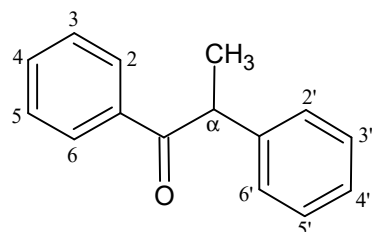
coumestan



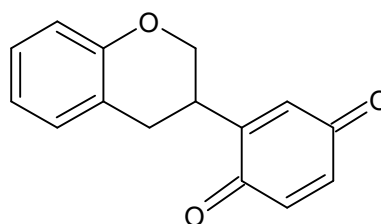
coumaronochromone



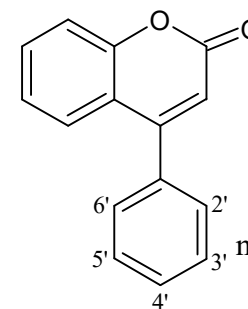
2-arylbenzofuran



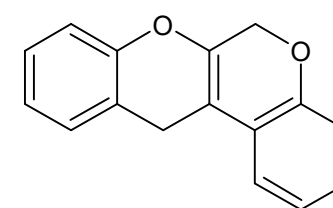
α-methyldeoxybenzoin



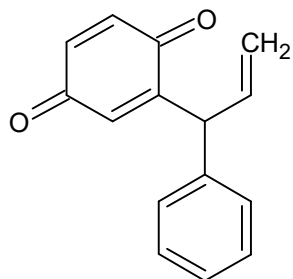
isoflavanquinone



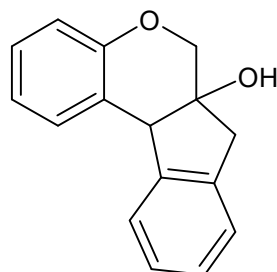
neoflavonoid



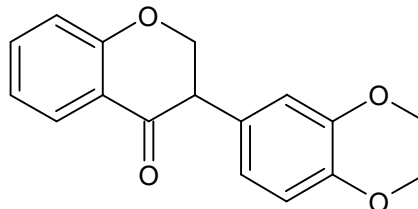
dehydrorotenoid



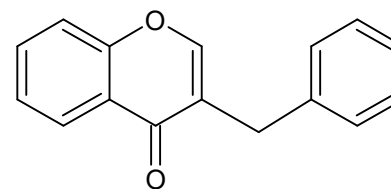
dalbergione



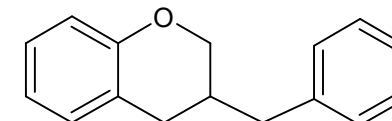
4-arylchroman



flavonolignan



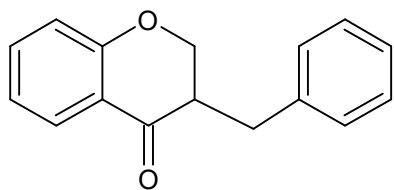
homoisoflavone



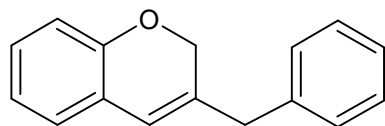
homoisoflavan

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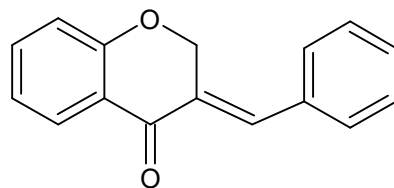
1. Iwashina T. The structure and distribution of the flavonoids in plants. J Plant Res. 2000, 113, 287-299.
2. Andersen OM, Markham KR (Eds). Flavonoids: Chemistry, Biochemistry and Applications. CRC Press, New York, 2006.
3. Harborne JB, Baxter H (Eds). The Handbook of Natural Flavonoids. John Wiley & Sons, Chichester, 1999.
4. Buckingham J, Munasinghe VRN. Dictionary of Flavonoids. Taylor and Francis/CRC Press, 2015.



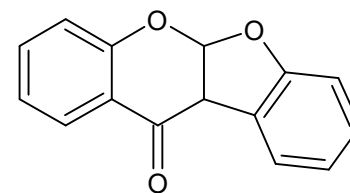
homoisoflavanone



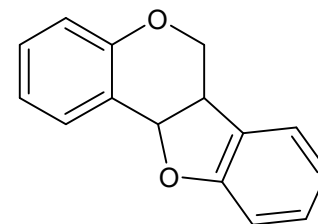
homoisoflavene



3-benzylidene-4-chromanone



dihydrocoumaronochromone



dihydropterocarpan