

## NMR study of six dihydroxylated flavones

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Phenolics can be classified based on their skeleton, such as benzoquinones, phenolic acids, coumarines, xanthenes, lignans, tannins, and so on. Among these, the family composed of C6-C3-C6 is named flavonoids. Until now, about 6,000 flavonoids are known. They play roles in pigmentation of flowers and fruits in plants and protection against phytopathogens. Still, lots of flavonoid derivatives are being found. They are isolated from the natural sources so that their structural identification is required. NMR spectroscopy is one of the powerful tools for structural study. If there is information about chemical shifts of known flavonoid derivatives, we can identify easily the structures of unknown compounds isolated from natural sources. Here, we report the complete assignments of six dihydroxylated flavones obtained from  $^1\text{H}$ - and  $^{13}\text{C}$ - NMR data<sup>1)</sup>.

### Reference

1. Harborne JB. The Flavonoids: Advances in Research, (1994), Chapman & Hall, London.