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Quantitative Analysis of Quercetin in *Allium victorialis*

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One of *Allium* species, *Allium victorialis* which belongs to *Liliaceae* is perennial plants. The genus *Allium* includes several species, such as onion, leek, and garlic. Many studies reported to have high levels of flavonoids in onion, garlic, and leek but little information for *Allium victorialis* exists on their containing flavonoids. According to previous studies, anthocyanine and kaempferol have been isolated from *Allium victorialis*. In this study, we find new flavonoids from *Allium victorialis* which has not reported yet. As a result, many of peaks were observed on HPLC chromatogram from the extract of *Allium victorialis*. Specially, Quercetin was identified at retention time of 26.52min. from *Allium victorialis*. A standard of quercetin was matched at retention time of 26min. by HPLC. In addition to using LC/MS was tentatively identified as quercetin, which gave [M]⁺ at m/z 303.3, indicating it could be quercetin. The levels of quercetin in *Allium victorialis* were measured to be 0.14mg/g.