

Quantitatively Evaluation of Bioactive Components of Evodia rutaecarpa (Tetradium ruticarpum) in different Harvesting Times

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Abstract

In this study, a high performance liquid chromatographic method was developed for simultaneous determination of four bioactive components in *T. ruticarpum* collecting from various flowering seasons. Our results demonstrated that the component synephrine (IV) was only found in flower bud and flower. During the season of flower and unripe fruit, the contents of dehydroevodiamine (I), evodiamine (II), and rutaecarpine (III) were found to increase with the development time of flower and fruit, upon ripening of the fruit, the amount of these three components were found to be decreasing with time. Therefore, the time of harvesting is an important factor to control the quality of herbal drugs.