

Antihyperglycemic and hypoglycemic activities of *Castanopsis costata*: An experimental study with *in vitro*, *in vivo*, and histopathological evaluation

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SUPPLEMENTARY MATERIALS

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Supplementary Materials

This supplementary material contains a presentation of chromatograms from the results of analysis using LC-MS/MS QTOF in positive and negative ion modes. Each chromatogram contains information on the observed mass and its intensity which shows the profile of a component. The results of identifying chemical compounds using LC-MS/MS revealed that there are 14 compounds contained in EECC, which are divided into 2 groups of compounds, namely flavonoids (12 components) and triterpenoids (2 components).

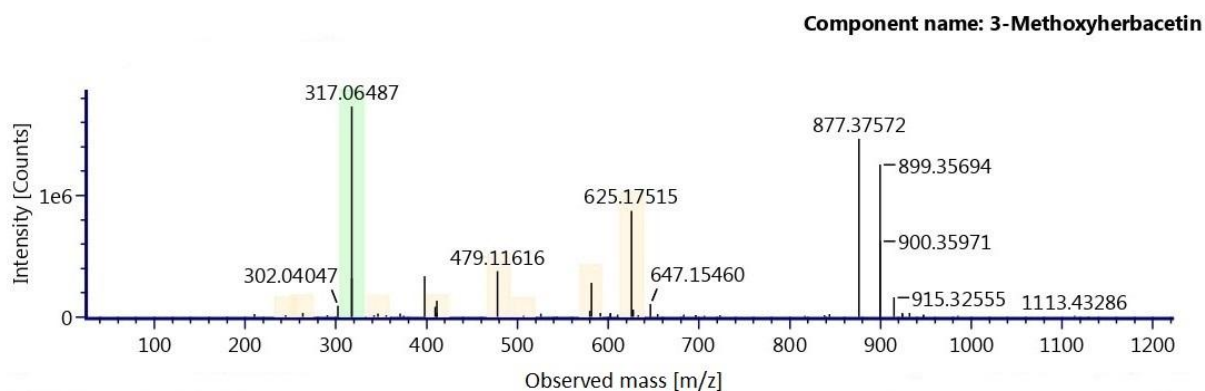


Figure 1. Mass spectrums of 3- Methoxyherbacetin of EECC.

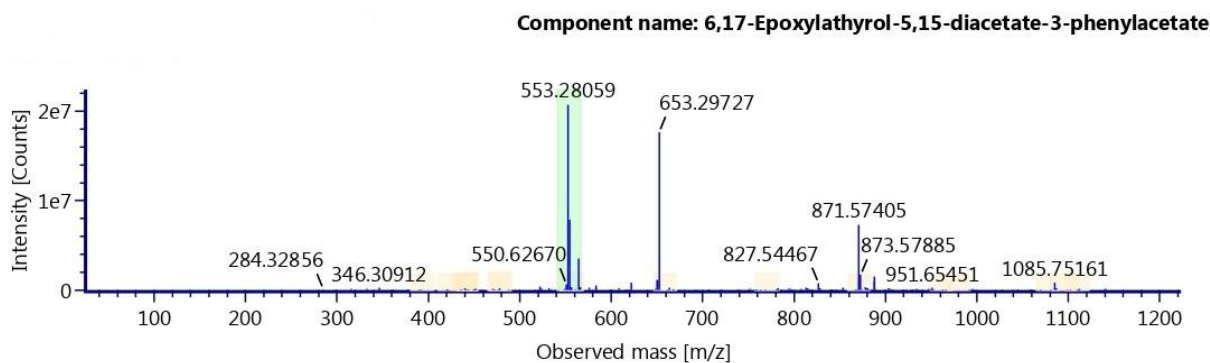


Figure 2. Mass spectrums of 6,17-Epoxyalthirol-5,15-diacetate-3-phenylacetate of EECC.

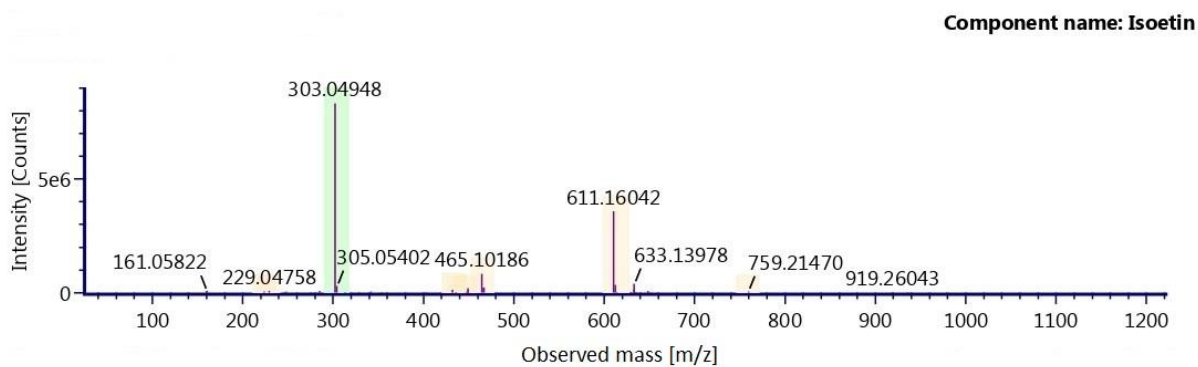


Figure 3. Mass spectrums of Isoetin of EECC.

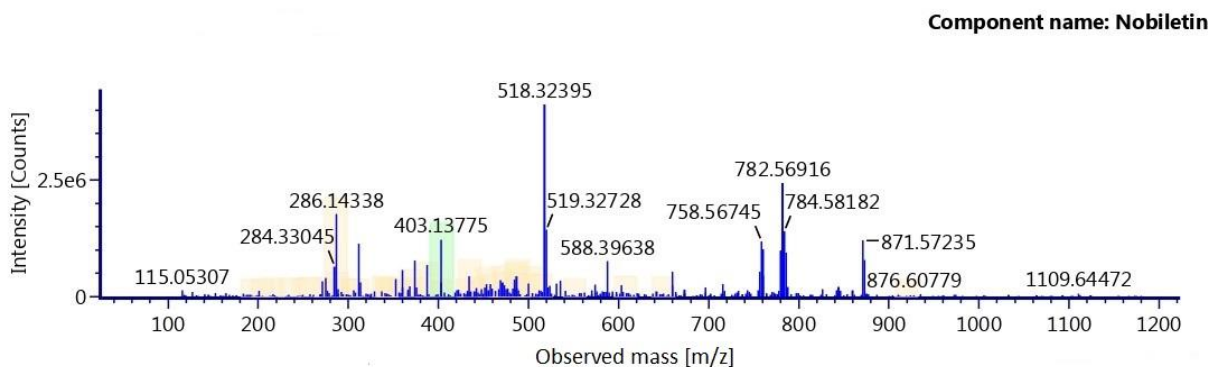


Figure 4. Mass spectrums of Nobiletin of EECC.

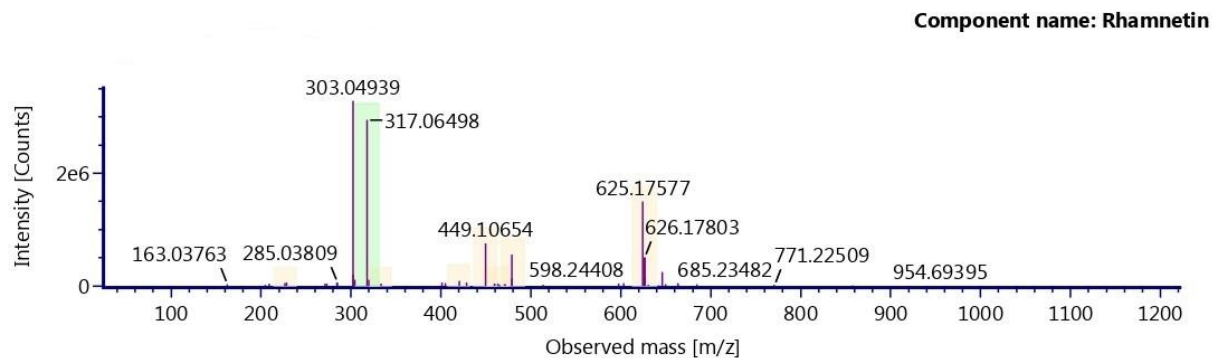


Figure 5. Mass spectrums of Rhamnetin of EECC.

Component name: Robinetin

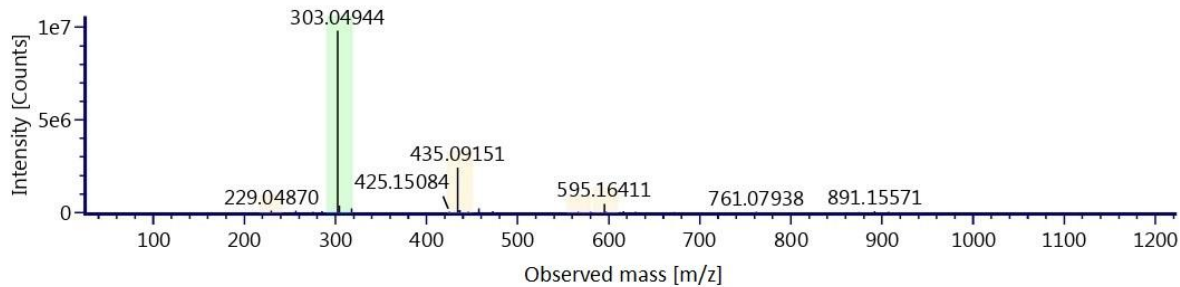


Figure 6. Mass spectrums of Robinetin of EECC.

Component name: Kansanol

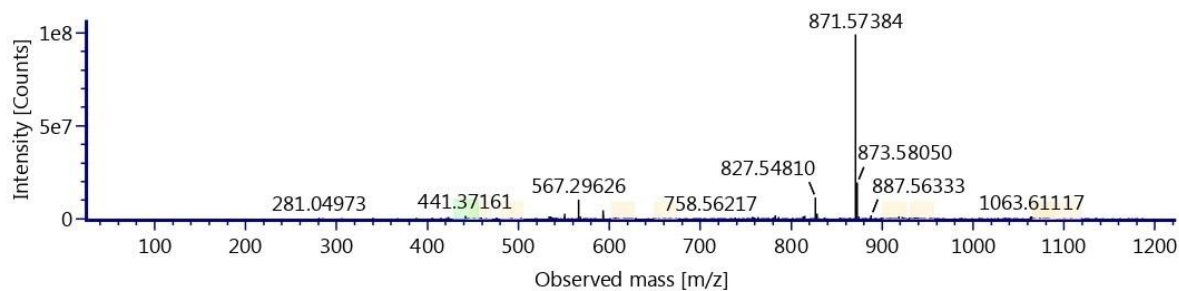


Figure 7. Mass spectrums of Kansanol of EECC.

Component name: Buddlenoid A

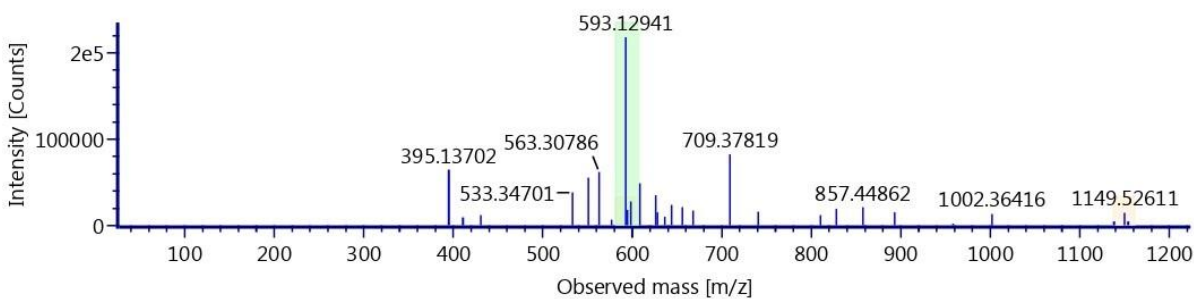


Figure 8. Mass spectrums of Buddlenoid A of EECC.

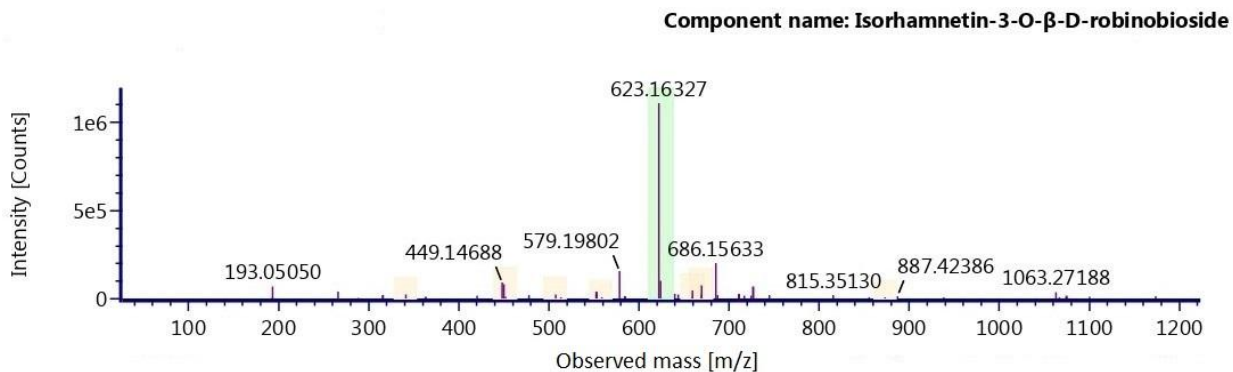


Figure 9. Mass spectrums of Isorhamnetin-3-O- β -D-robinobioside of EECC.

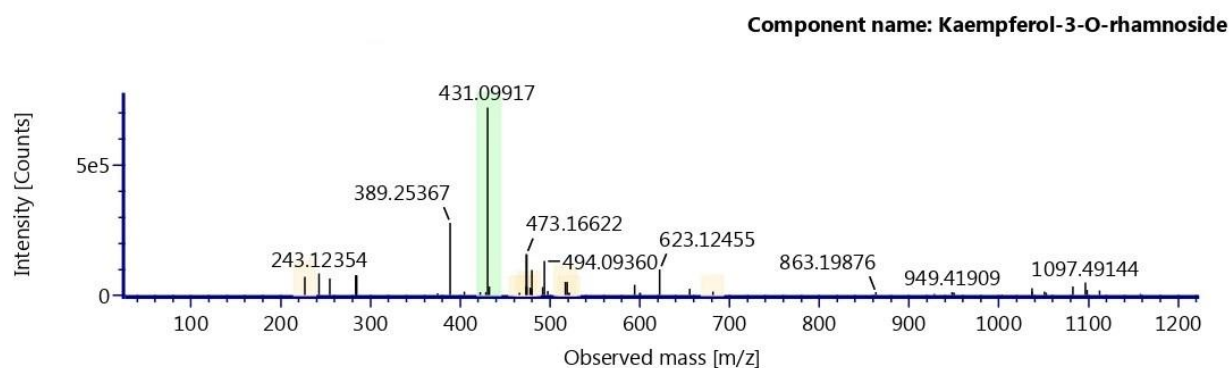


Figure 10. Mass spectrums of Kaempferol-3-O-rhamnoside of EECC.

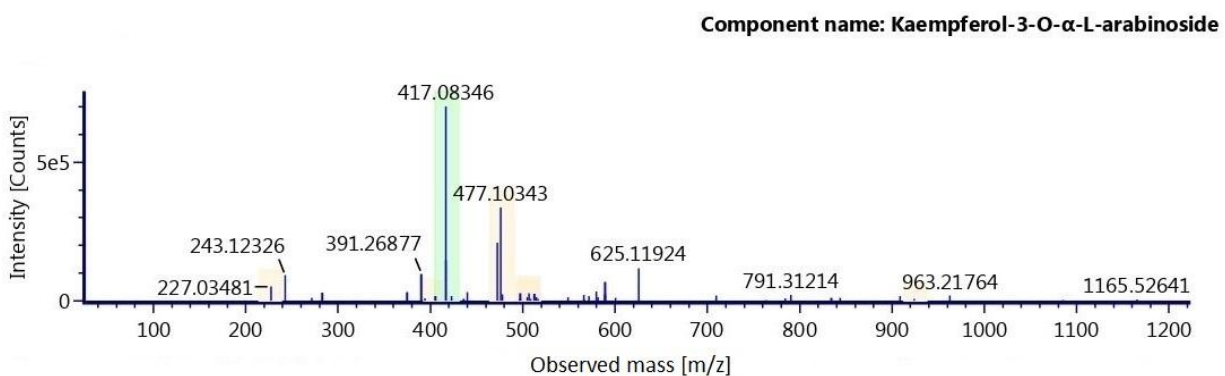


Figure 11. Mass spectrums of Kaempferol-3-O- α -L-arabinoside of EECC.

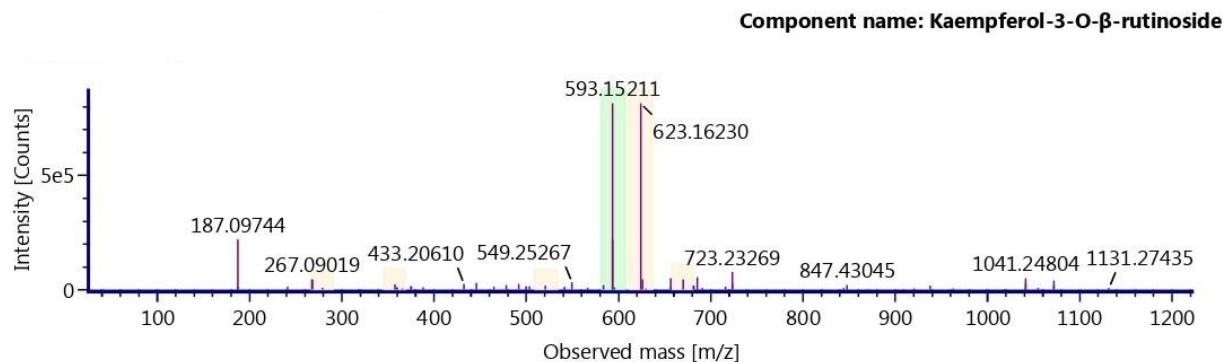


Figure 12. Mass spectrums of Kaempferol-3-O- β -rutinoside of EECC.

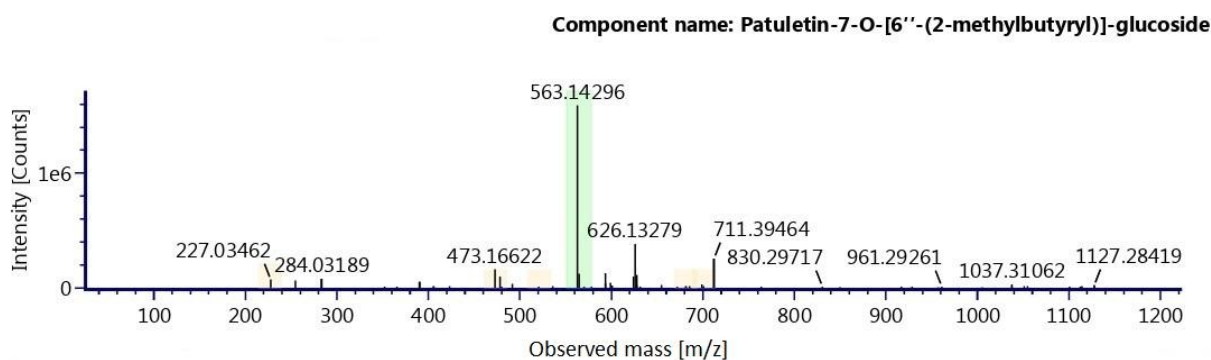


Figure 13. Mass spectrums of Patuletin-7-O-[6''-(2-methylbutyryl)]-glucoside of EECC.

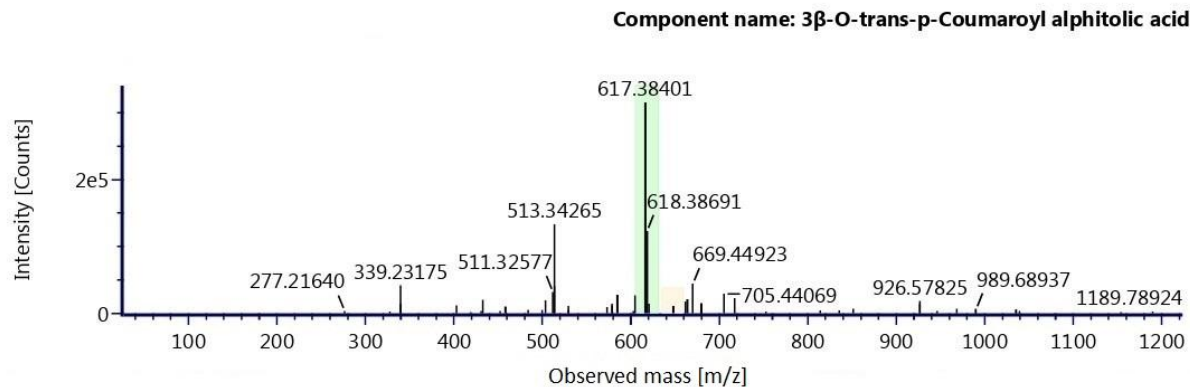


Figure 14. Mass spectrums of 3 β -O-trans-p-Coumaroyl alphitolic acid of EECC.