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Isolation of new Volatile ester and Ellagitannin from *Glossocardia bosvallia* (L.f) DC-Asteraceae

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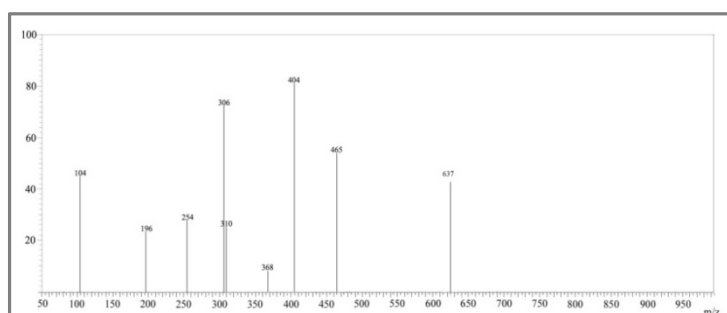
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ABSTRACT

The chemical exploration of whole plant methanol extract of *Glossocardia bosvallia* (L.f) DC-Asteraceae, an endemic medicinal plant from Western Ghats, led to the isolation and identification of two new compounds Veleric acid (volatile ester) and Corilagin (ellagitannin). The chemical structure of these compounds were elucidated and conformed by chromatographic and NMR Spectroscopic analysis. Earlier compound Veleric acid is the flavor components of the majority of fruits and the later Corilagin is a class of hydrolyzable tannins, a type of polyphenol responsible for many antioxidant properties. The isolated compounds were reported first time in the study plant *G. bosvallia* and may be expedient for several pharmacological activities.

Graphical Abstract



Mass Spectrum of isolated compound Corilagin from *G. bosvallia*.

Keywords: *Glossocardia bosvallia*, Veleric acid, Corilagin and NMR Spectroscopy.