

Phytochemical composition of *Rosacentifolia* flower petals by GC-MS analysis

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ABSTRACT

The flowers of *rosacentifolia* was extracted with ethyl acetate was subjected to preliminary phytochemical analysis. Flavonoids, alkaloids, carbohydrates, tannins, lignins, saponins, glycosides and fixed oil and fats were found to be present. The ethylacetate crude extract further fractionated with three different solvents. i.e, benzene, diethylether and ethyl acetate and the chemical composition of the ethyl acetate extract was determined by GC/MS analysis. The present investigation revealed the following major compounds from *rosacetifolia*. In this analysis 30 bioactive phytochemical constituents were identified. Based on the peak area and molecular weight, the dibutyl phthalate and oleic acid was observed as the major constituents.