

Biological importance of cirsiol on xanthine oxidase for the treatment of renal disorders: Medicinal uses and therapeutic importance

Dinesh Kumar Patel¹, Kanika Patel¹

¹Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, India



Background: Plant secondary metabolite has been used in the modern medicine for the preparation of different formulations. Cirsiol is an important phytoconstituents of *Achillea fragrantissima*, *Artemisia scoparia* and *Centaurea jacea*. Cirsiol have been well tested for their effectiveness in the medicine against various form of inflammatory disorders.

Methods: Therapeutic benefit of cirsiol in the medicine has been investigated in the present work through literature data analysis of various scientific research works. Biological potential of cirsiol against xanthine oxidase has been investigated through literature data analysis of various scientific research works. However therapeutic effectiveness of cirsiol for their tyrosinase inhibitory activities has been investigated through literature data analysis.

Results: Literature data analysis revealed the biological importance of cirsiol in the medicine against various form of kidney disorders as it showed therapeutic benefit against anti-xanthine oxidase activity. However literature data analysis also revealed the biological potential of cirsiol in the medicine for their better antioxidant potential which could be used for the treatment of oxidative induced disorders.

References: Metoui R;Bouajila J;Znati M;Cazaux S;Neffati M;Akrouit A. Bioactive flavones isolated from Tunisian *Artemisia campestris* L. Leaves. *Cell Mol Biol*, 2017.
Lin F-J;Yen F-L;Chen P-C;Wang M-C;Lin C-N;Lee C-W;et al. HPLC-Fingerprints and Antioxidant Constituents of *Phyllanthus nodiflora*. *Sci World J*, 2014,2014,1–8.

Conclusion: Literature data analysis revealed the health beneficial properties of cirsiol in the medicine for their role against xanthine oxidase.

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