

Antioxidative and Antimicrobial Activity of Extracts obtained from *Petasites japonicum* (butterbur)

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Abstract

Extracts obtained from leaves and rhizomes of *Petasites japonicum*, butterbur, are in therapeutic use for more than 2,000 years. Nowadays, extracts of *Petasites japonicum* are mainly utilized as a useful relaxant to muscles and applied in conditions such as gastrointestinal colics, spasms of the urogenital-tract, asthma and cough, as well as dysmenorrhea. In this study, we used 50% EtOH (hard liquor) for extraction of functional components from leaves and rhizomes of *Petasites japonicum*. Functional components of extracts were confirmed by TLC and HPLC. Biological and DPPH(1,1-diphenyl-2-picrylhydrazyl radical) methods was also utilized for effects of antimicrobial and antioxidative activities, respectively.

References

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