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# Purification, Chemical Characterization and Antioxidant Activities of Polysaccharides Isolated from *Mycena dendrobii*

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## Highlights

- Two polysaccharides were isolated from the fermentation liquid of *M. dendrobii*.
- MDP-1 mainly composed of mannose, xylose, and galactose with  $M_w$  of  $6.02 \times 10^5$  Da.
- MDP-2 mainly composed of galacturonic acid, galactose and rhamnose with  $M_w$  of  $1.70 \times 10^6$  Da.
- MDPs could effectively scavenge superoxide, hydroxyl and DPPH radicals.
- MDP-2 performed noticeable antioxidant activities.

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