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# ACCEPTED MANUSCRIPT

# Physicochemical properties of a high molecular weight levan

## from Brenneria sp. EniD312

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#### **Research Highlights**

- A high molecular weight levan was produced by a levansucrase.
- Levan solution(6, 9 and 12%) could show a non-Newtonian behaviour.
- The levan solution exhibited an excellent water solubility.

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