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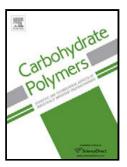
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Simple and effective purification approach to dissociate mixed water-insoluble α - and β -D-glucans and its application on the medicinal mushroom Fomitopsis betulina

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HIGHLIGHTS

- A mixture of water-insoluble glucans was isolated from fruiting bodies of *Piptoporus betulinus*.
- These glucans were purified based on their different solubility in diluted aqueous NaOH solution.
- The insoluble glucan was defined as a linear $(1\rightarrow 3)$ - α -D-glucan.
- The soluble glucan was defined as a branched $(1\rightarrow 3)(1\rightarrow 6)$ - β -D-glucan.

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