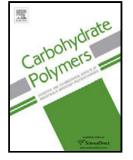
## Accepted Manuscript

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Structural characteristics and anticancer activity in vitro of fucoidan from brown algae Padina boryana

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**Highlights** 

Heterogeneous fucoidan fraction **PbF** was obtained from *P. boryana* 

Structure of the galactofucan part of **PbF** was studied after modification

The main chain of galactofucan consisted of 1,4- $\alpha$ -L-Fuc and 1,3- $\beta$ -D-Gal

Native and modified fucoidans had anticancer effect in vitro on colon cancer cells

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