Optimization of the microwave-assisted enzymatic extraction of Rosa roxburghii Tratt. polysaccharides using response surface methodology and its antioxidant and α-d-glucosidase inhibitory activity

Huizhu Wang, Yan Li, Zhihui Ren, Zhongcheng Cong, Mengjie Chen, Lin Shi, Xu Han, Jin Pei

PII: S0141-8130(17)34782-7
DOI: https://doi.org/10.1016/j.ijbiomac.2018.02.003
Reference: BIOMAC 9053

To appear in:

Received date: 2 December 2017
Revised date: 28 January 2018
Accepted date: 1 February 2018

Please cite this article as: Huizhu Wang, Yan Li, Zhihui Ren, Zhongcheng Cong, Mengjie Chen, Lin Shi, Xu Han, Jin Pei , Optimization of the microwave-assisted enzymatic extraction of Rosa roxburghii Tratt. polysaccharides using response surface methodology and its antioxidant and α-d-glucosidase inhibitory activity. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Biomac(2017), https://doi.org/10.1016/j.ijbiomac.2018.02.003

Optimization of the microwave-assisted enzymatic extraction of *Rosa roxburghii* Tratt. polysaccharides using response surface methodology and its antioxidant and α-D-glucosidase inhibitory activity

Huizhu Wang[1, 2], Yan Li[1], Zhihui Ren[1], Zhongcheng Cong[1], Mengjie Chen[2], Lin Shi[2], Xu Han[2], Jin Pei[1*]

[1] School of Pharmacy, Jilin University, Changchun, Jilin 130021, China

[2] School of Chemistry and Pharmaceutical Engineering, Jilin Institute of Chemical Technology, Jilin, PR China

*Corresponding author: Professor Jin Pei, School of Pharmacy, Jilin University, Xinmin Street 1163, Changchun 130021, P. R. China

Fax: + 86- 0431-85619433

E-mail: jinpeijlu@163.com (J.P.)