Accepted Manuscript

Full length article

Polymeric microsphere-facilitated site-specific delivery of quercetin prevents senescence of pancreatic islets in vivo and improves transplantation outcomes in mouse model of diabetes

Shiva Pathak, Shobha Regmi, Tiep Tien Nguyen, Biki Gupta, Milan Gautam, Chul Soon Yong, Jong Oh Kim, Youlim Son, Jae-Ryong Kim, Min Hui Park, Young Kyung Bae, So Young Park, Daewon Jeong, Simmyung Yook, Jee-Heon Jeong

PII:	S1742-7061(18)30342-8
DOI:	https://doi.org/10.1016/j.actbio.2018.06.006
Reference:	ACTBIO 5516
To appear in:	Acta Biomaterialia

Received Date:10 February 2018Revised Date:2 May 2018Accepted Date:3 June 2018

Please cite this article as: Pathak, S., Regmi, S., Tien Nguyen, T., Gupta, B., Gautam, M., Soon Yong, C., Oh Kim, J., Son, Y., Kim, J-R., Hui Park, M., Kyung Bae, Y., Young Park, S., Jeong, D., Yook, S., Jeong, J-H., Polymeric microsphere-facilitated site-specific delivery of quercetin prevents senescence of pancreatic islets in vivo and improves transplantation outcomes in mouse model of diabetes, *Acta Biomaterialia* (2018), doi: https://doi.org/10.1016/j.actbio.2018.06.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

ORIGINAL ARTICLE

Polymeric microsphere-facilitated site-specific delivery of quercetin prevents senescence of pancreatic islets in vivo and improves transplantation outcomes in mouse model of diabetes Shiva Pathak¹, Shobha Regmi¹, Tiep Tien Nguyen¹, Biki Gupta¹, Milan Gautam¹, Chul Soon Yong¹, Jong Oh Kim¹, Youlim Son², Jae-Ryong Kim², Min Hui Park³, Young Kyung Bae³, So Young Park⁴, Daewon Jeong⁵, Simmyung Yook^{6, **}, and Jee-Heon Jeong^{1, *}

 ¹College of Pharmacy, Yeungnam University, Gyeongsan, Gyeongbuk, 38541, Republic of Korea
²Department of Biochemistry and Molecular Biology and Smart-Aging Convergence Research Center, College of Medicine, Yeungnam University, Daegu, 42415, Republic of Korea
³Department of Pathology, College of Medicine, Yeungnam University, Daegu, 42415, Republic of Korea
⁴Department of Physiology, College of Medicine, Yeungnam University, Daegu, 42415, Republic of Korea
⁵Department of Microbiology, Laboratory of Bone Metabolism and Control, College of Medicine,

Department of Microbiology, Laboratory of Bone Metabolism and Control, College of Medicine, Yeungnam University, Daegu, 42415, Republic of Korea ⁶College of Pharmacy, Keimyung University, Daegu, 42601, Republic of Korea

*Address for correspondence Jee-Heon Jeong, Ph.D College of Pharmacy, Yeungnam University 280 Daehak-ro, Gyeongsan-si, Gyeongbuk-do 38541, Republic of Korea Tel: +82-53-810-2822 E-mail: jeeheon@yu.ac.kr Download English Version:

https://daneshyari.com/en/article/6482801

Download Persian Version:

https://daneshyari.com/article/6482801

Daneshyari.com