

Accepted Manuscript

The role of lactose carrier on the powder behavior and aerodynamic performance of bosentan microparticles for dry powder inhalation

Hyo-Jung Lee, Hong-Goo Lee, Yong-Bin Kwon, Ju-Young Kim, Yun-Seok Rhee, Jinmann Chon, Eun-Soek Park, Dong-Wook Kim, Chun-Woong Park



PII: S0928-0987(18)30119-2

DOI: doi:[10.1016/j.ejps.2018.03.004](https://doi.org/10.1016/j.ejps.2018.03.004)

Reference: PHASCI 4433

To appear in: *European Journal of Pharmaceutical Sciences*

Received date: 12 December 2017

Revised date: 31 January 2018

Accepted date: 2 March 2018

Please cite this article as: Hyo-Jung Lee, Hong-Goo Lee, Yong-Bin Kwon, Ju-Young Kim, Yun-Seok Rhee, Jinmann Chon, Eun-Soek Park, Dong-Wook Kim, Chun-Woong Park, The role of lactose carrier on the powder behavior and aerodynamic performance of bosentan microparticles for dry powder inhalation. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Phasci(2017), doi:[10.1016/j.ejps.2018.03.004](https://doi.org/10.1016/j.ejps.2018.03.004)

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.

**The role of lactose carrier on the powder behavior and aerodynamic performance of
bosentan microparticles for dry powder inhalation**

Hyo-Jung Lee^a, Hong-Goo Lee^a, Yong-Bin Kwon^a, Ju-Young Kim^b, Yun-Seok Rhee^c,
Jinmann Chon^d, Eun-Soek Park^e, Dong-Wook Kim^{f*} and Chun-Woong Park^{a*}

^aCollege of pharmacy, Chungbuk National University, Cheongju, Chungbuk 28160, Republic of Korea

^bCollege of pharmacy, Woosuk University, Wanju 55338, Republic of Korea

^cCollege of Pharmacy and Research Institute of Pharmaceutical Sciences, Gyeongsang National University, Jinju 52828, Republic of Korea

^dDepartment of Physical Medicine and Rehabilitation, School of Medicine, Kyung Hee University, Seoul 02447, Republic of Korea

^eSchool of Pharmacy, Sungkyunkwan University, Suwon 16419, Republic of Korea

^fDepartment of Pharmaceutical Engineering, Cheongju University, Cheongju 28503, Republic of Korea

Download English Version:

<https://daneshyari.com/en/article/8511455>

Download Persian Version:

<https://daneshyari.com/article/8511455>

[Daneshyari.com](https://daneshyari.com)