

Accepted Manuscript

QX-OH/Levobupivacaine: Fixed-dose combination to provide a long-acting postoperative pain of knee surgery in rodents

WenLing Zhao, Jun Yang, YuJun Zhang, Jin Liu, WenSheng Zhang



PII: S0928-0987(17)30580-8

DOI: doi:[10.1016/j.ejps.2017.10.025](https://doi.org/10.1016/j.ejps.2017.10.025)

Reference: PHASCI 4271

To appear in: *European Journal of Pharmaceutical Sciences*

Received date: 25 July 2017

Revised date: 21 September 2017

Accepted date: 18 October 2017

Please cite this article as: WenLing Zhao, Jun Yang, YuJun Zhang, Jin Liu, WenSheng Zhang , QX-OH/Levobupivacaine: Fixed-dose combination to provide a long-acting postoperative pain of knee surgery in rodents. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Phasci(2017), doi:[10.1016/j.ejps.2017.10.025](https://doi.org/10.1016/j.ejps.2017.10.025)

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.

**QX-OH/LEVOPUPIVACAINE: FIXED-DOSE COMBINATION TO PROVIDE
A LONG-ACTING POSTOPERATIVE PAIN OF KNEE SURGERY IN
RODENTS**

WenLing Zhao^{a,b,c,1}, Jun Yang^{b,c,1}, YuJun Zhang^{a,b,c}, Jin Liu^{a,b,c}, WenSheng Zhang^{a,b,c*}

^aDepartment of Anesthesiology, West China Hospital, Sichuan University, Chengdu 610041, Sichuan, PR China

^bLaboratory of Anesthesia and Critical Care Medicine, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu 610041, Sichuan, PR China

^cEngineering Laboratory of Anesthesiology and Transformation Medicine, West China Hospital, Chengdu 610041, Sichuan, PR China

* Corresponding author at: Department of Anesthesiology, West China Hospital, Sichuan University, Chengdu 610041, Sichuan, PR China.

Tel: +86-2885164040; E-mail address: zhang_ws@scu.edu.cn (W. Zhang).

¹ These authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/8512029>

Download Persian Version:

<https://daneshyari.com/article/8512029>

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