

Accepted Manuscript

Design, synthesis, and in vitro biological evaluation of novel 6-methyl-7-substituted-7-deaza purine nucleoside analogs as anti-influenza A agents

Cai Lin, Chenghai Sun, Xiao Liu, Yiqian Zhou, Muzammal Hussain, Junting Wan, Minke Li, Xue Li, Ruiliang Jin, Zhengchao Tu, Jiansun Zhang



PII: S0166-3542(16)30007-9

DOI: [10.1016/j.antiviral.2016.01.005](https://doi.org/10.1016/j.antiviral.2016.01.005)

Reference: AVR 3753

To appear in: *Antiviral Research*

Received Date: 9 October 2015

Revised Date: 12 January 2016

Accepted Date: 13 January 2016

Please cite this article as: Lin, C., Sun, C., Liu, X., Zhou, Y., Hussain, M., Wan, J., Li, M., Li, X., Jin, R., Tu, Z., Zhang, J., Design, synthesis, and in vitro biological evaluation of novel 6-methyl-7-substituted-7-deaza purine nucleoside analogs as anti-influenza A agents, *Antiviral Research* (2016), doi: 10.1016/j.antiviral.2016.01.005.

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.

Design, synthesis, and in vitro biological evaluation of novel 6-methyl-7-substituted-7-deaza purine nucleoside analogs as anti-influenza A agents

Cai Lin ^{b†}, Chenghai Sun ^{a†}, Xiao Liu ^a, Yiqian Zhou ^b, Muzammal Hussain ^{b,c}, Junting Wan ^b, Minke Li ^b, Xue Li ^a, Ruiliang Jin ^e, Zhengchao Tu ^{b*}, Jiancun Zhang ^{b,d*}

^a Institute of Pharmaceutical Research, South China Normal University, Guangzhou, Guangdong, 510631, PR China

^b Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences, 190 Kaiyuan Road, Guangzhou, 510530, PR China

^c University of Chinese Academy of Sciences, No. 19 Yuquan Road, Beijing, 100049, PR China

^d State Key Laboratory of Respiratory Disease, Guangzhou Medical University, Guangzhou, PR China

^e Shanghai Key Laboratory of Tuberculosis, Shanghai Pulmonary Hospital, Tongji University School of Medicine, Shanghai, PR China

Address correspondence and reprint request to:

Jiancun Zhang and Zhengchao Tu, Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences, 190 Kaiyuan Avenue, Science Park, Guangzhou, 510530, PR China

Tel.: +86 020 32015323; email address: zhang_jiancun@gibh.ac.cn (J. Zhang)

Tel.: +86 020 32015323; email address: tu_zhengchao@gibh.ac.cn (Z.-C. Tu)

[†] These authors equally contributed to this work.

Download English Version:

<https://daneshyari.com/en/article/5821841>

Download Persian Version:

<https://daneshyari.com/article/5821841>

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