

# Accepted Manuscript

Design, synthesis and biological evaluation of novel xanthine oxidase inhibitors bearing a 2-arylbenzo[*b*]furan scaffold

Hong-Jin Tang, Wei Li, Mei Zhou, Li-Ying Peng, Jin-Xin Wang, Jia-Huang Li, Jun Chen



PII: S0223-5234(18)30118-1

DOI: [10.1016/j.ejmech.2018.01.096](https://doi.org/10.1016/j.ejmech.2018.01.096)

Reference: EJMECH 10173

To appear in: *European Journal of Medicinal Chemistry*

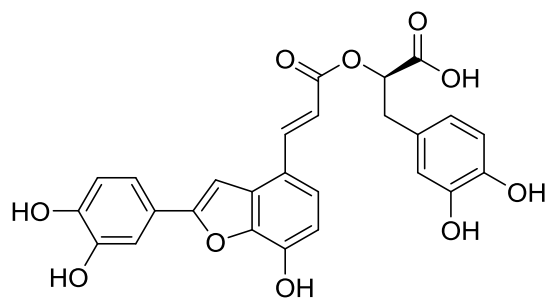
Received Date: 10 October 2017

Revised Date: 25 January 2018

Accepted Date: 30 January 2018

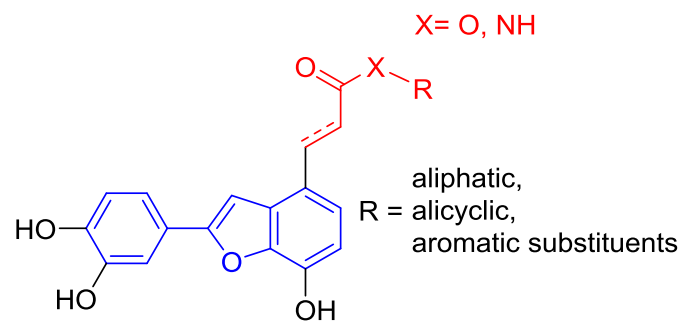
Please cite this article as: H.-J. Tang, W. Li, M. Zhou, L.-Y. Peng, J.-X. Wang, J.-H. Li, J. Chen, Design, synthesis and biological evaluation of novel xanthine oxidase inhibitors bearing a 2-arylbenzo[*b*]furan scaffold, *European Journal of Medicinal Chemistry* (2018), doi: 10.1016/j.ejmech.2018.01.096.

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.



Salvianolic acid C  
non-purine XO inhibitor

Design  
Synthesize



2-arylbenzo[*b*]furan derivatives

XO inhibitory assay

DPPH assay

Cellular assay

Hyperuricemic mice model

Molecular modeling

**SAR analysis**

**The binding mechanisms**

Download English Version:

<https://daneshyari.com/en/article/7796601>

Download Persian Version:

<https://daneshyari.com/article/7796601>

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