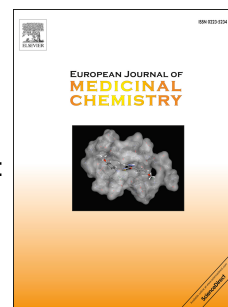


Accepted Manuscript

Microwave-Assisted Synthesis and Antifungal Activity of Novel Coumarin Derivatives:
Pyrano[3,2-c]chromene-2,5-diones

Rong-Rong Zhang, Jia Liu, Yu Zhang, Meng-Qing Hou, Ming-Zhi Zhang, Fenger
Zhou, Wei-Hua Zhang



PII: S0223-5234(16)30251-3

DOI: [10.1016/j.ejmech.2016.03.069](https://doi.org/10.1016/j.ejmech.2016.03.069)

Reference: EJMECH 8494

To appear in: *European Journal of Medicinal Chemistry*

Received Date: 23 December 2015

Revised Date: 22 March 2016

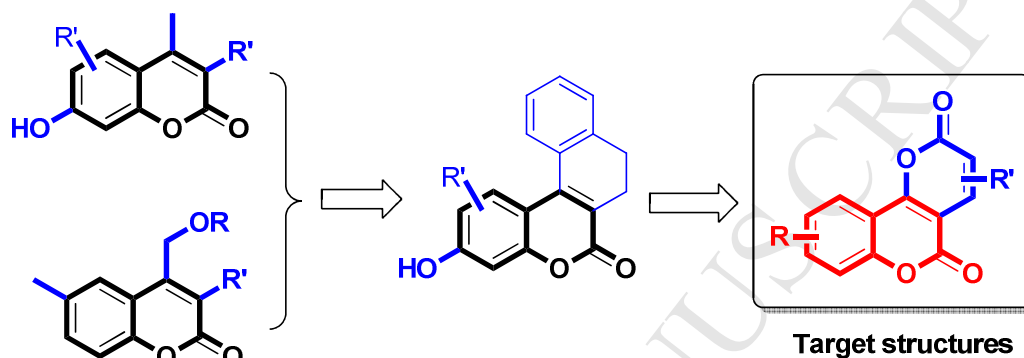
Accepted Date: 25 March 2016

Please cite this article as: R.-R. Zhang, J. Liu, Y. Zhang, M.-Q. Hou, M.-Z. Zhang, F. Zhou, W.-H. Zhang, Microwave-Assisted Synthesis and Antifungal Activity of Novel Coumarin Derivatives: Pyrano[3,2-c]chromene-2,5-diones, *European Journal of Medicinal Chemistry* (2016), doi: 10.1016/j.ejmech.2016.03.069.

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.

Microwave-Assisted Synthesis and Antifungal Activity of Novel Coumarin Derivatives: Pyrano[3,2-*c*]chromene-2,5-diones

Rong-Rong Zhang,^a Jia Liu,^a Yu Zhang,^a Meng-Qing Hou,^a Ming-Zhi Zhang,^{a,*}
Fenger Zhou,^b Wei-Hua Zhang^{a,*}



A series of novel fused coumarin derivatives were designed and synthesized through an optimized microwave-assisted protocol. Antifungal activity screening against five phytopathogenic fungi led to the identification of compound **5d** as the most promising candidate for further study.

Download English Version:

<https://daneshyari.com/en/article/7798692>

Download Persian Version:

<https://daneshyari.com/article/7798692>

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