

## Accepted Manuscript

Synthesis of novel 25-hydroxyprotopanaxadiol derivatives by methylation and methoxycarbonylation using dimethyl carbonate as a environment-friendly reagent and their anti-tumor evaluation

Junhui Guo, Zhe Xu, Yafei Liu, Xude Wang, Yuqing Zhao

PII: S0960-894X(16)30854-X  
DOI: <http://dx.doi.org/10.1016/j.bmcl.2016.08.033>  
Reference: BMCL 24159

To appear in: *Bioorganic & Medicinal Chemistry Letters*

Received Date: 10 June 2016  
Revised Date: 8 August 2016  
Accepted Date: 12 August 2016

Please cite this article as: Guo, J., Xu, Z., Liu, Y., Wang, X., Zhao, Y., Synthesis of novel 25-hydroxyprotopanaxadiol derivatives by methylation and methoxycarbonylation using dimethyl carbonate as a environment-friendly reagent and their anti-tumor evaluation, *Bioorganic & Medicinal Chemistry Letters* (2016), doi: <http://dx.doi.org/10.1016/j.bmcl.2016.08.033>

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.



**Synthesis of novel 25-hydroxyprotopanaxadiol derivatives by  
methylation and methoxycarbonylation using dimethyl carbonate as  
an environment-friendly reagent and their anti-tumor evaluation**

Junhui Guo<sup>a,b</sup>, Zhe Xu<sup>a,b</sup>, Yafei Liu<sup>a,b</sup>, Xude Wang<sup>a,b</sup>, Yuqing Zhao<sup>a,b,\*</sup>

<sup>a</sup> School of Traditional Chinese Medicine Chemical, Shenyang Pharmaceutical University,

Shenyang 110016, PR China

<sup>b</sup> Key Laboratory of Structure-based Drug Design & Discovery, Ministry of Education, Shenyang

Pharmaceutical University, Shenyang 110016, PR China

\*Corresponding author. Y. ZHAO

Tel.: +86 24 23986521.; fax: +86 24 23986521

E-mail address: zyq4885@126.com

Download English Version:

<https://daneshyari.com/en/article/5156125>

Download Persian Version:

<https://daneshyari.com/article/5156125>

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