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

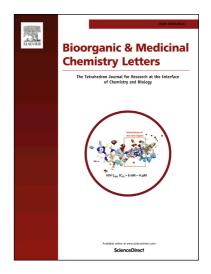
PII: S0960-894X(16)30854-X

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.

CCEPTED 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^{a,b}, Zhe Xu^{a,b}, Yafei Liu^{a,b}, Xude Wang^{a,b}, Yuqing Zhao^{a,b}*

^a School of Traditional Chinese Medicine Chemical, Shenyang Pharmaceutical University,

Shenyang 110016, PR China

^b 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

<u>Daneshyari.com</u>