

Accepted Manuscript

Identification and characterization of *in vitro* inhibitors against UDP-glucuronosyltransferase 1A1 in uva-ursi extracts and evaluation of *in vivo* uva-ursi-drug interactions

Jung Bae Park, Doyun Kim, Jee Sun Min, Su Jeong, Doo-Yeoun Cho, Yu Fen Zheng, Kee Dong Yoon, Soo Kyung Bae

PII: S0278-6915(18)30503-9

DOI: [10.1016/j.fct.2018.07.058](https://doi.org/10.1016/j.fct.2018.07.058)

Reference: FCT 9943

To appear in: *Food and Chemical Toxicology*

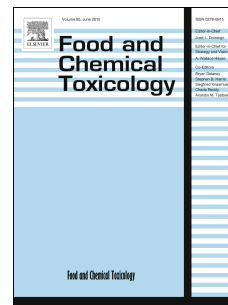
Received Date: 30 March 2018

Revised Date: 27 June 2018

Accepted Date: 30 July 2018

Please cite this article as: Park, J.B., Kim, D., Min, J.S., Jeong, S., Cho, D.-Y., Zheng, Y.F., Yoon, K.D., Bae, S.K., Identification and characterization of *in vitro* inhibitors against UDP-glucuronosyltransferase 1A1 in uva-ursi extracts and evaluation of *in vivo* uva-ursi-drug interactions, *Food and Chemical Toxicology* (2018), doi: 10.1016/j.fct.2018.07.058.

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.



Identification and characterization of *in vitro* inhibitors against UDP-glucuronosyltransferase 1A1 in uva-ursi extracts and evaluation of *in vivo* uva-ursi-drug interactions

Jung Bae Park^a, Doyun Kim^a, Jee Sun Min^a, Su Jeong^a, Doo-Yeoun Cho^b, Yu Fen Zheng^c, Kee Dong Yoon^a, Soo Kyung Bae^{a,*}

^a *College of Pharmacy and Integrated Research Institute of Pharmaceutical Sciences, The Catholic University of Korea, 43 Jibong-ro, Wonmi-gu, Bucheon, 14662, Republic of Korea*

^b *Department of Clinical Pharmacology and Therapeutics, CHA Bundang Medical Center, CHA University, 59 Yatap-ro, Bundang-gu, Seongnam 13496, Republic of Korea*

^c *School of Basic Medicine and Clinical Pharmacy, China Pharmaceutical University, 639 Longmian Road, Jiangning District, Nanjing, Jiangsu 211198, China*

* Corresponding author.

E-mail address: baesk@catholic.ac.kr (S.K. Bae)

Abbreviations: UGT, UDP-glucuronosyltransferase; TeGG, 1,2,3,6-tetragalloylglucose; 4-MU, 4-methylumbelliferone; UDPGA, uridine 5'-diphosphoglucuronic acid; IC₅₀, the 50% inhibitory concentration; K_i, inhibitory constant; AUC, area under concentration-time curve.

Download English Version:

<https://daneshyari.com/en/article/8546450>

Download Persian Version:

<https://daneshyari.com/article/8546450>

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