



## Graphical Abstracts/Phytochemistry 151 (2018) iii-vi

## PROTEIN BIOCHEMISTRY AND PROTEOMICS

### Biochemical properties of a bacterially-expressed Bowman-Birk inhibitor from *Rhynchosia sublobata* (Schumach.) Meikle seeds and its activity against gut proteases of *Achaea janata*

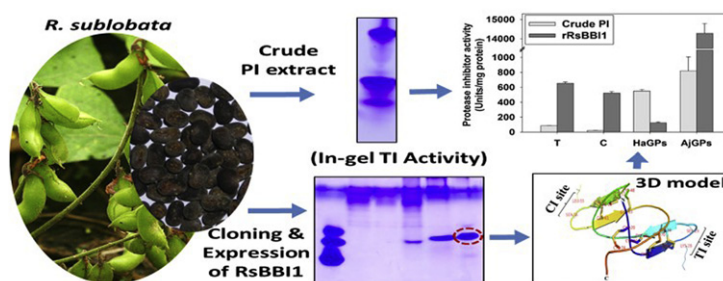
Soundappan S. Mohanraj<sup>a</sup>, Sarada D. Tetali<sup>a</sup>, Nalini Mallikarjuna<sup>b</sup>, Aparna Dutta-Gupta<sup>c</sup>, Kollipara Padmasree<sup>d,\*</sup>

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*Phytochemistry 151 (2018) pp. 78–90*

## ECOLOGICAL BIOCHEMISTRY

### Seasonality effect on the composition of oxindole alkaloids from distinct organs of *Uncaria tomentosa* from the Caribbean region of Costa Rica

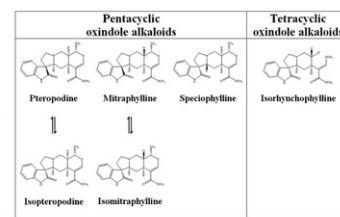
Silvana Alvarenga-Venutolo<sup>a</sup>, Catalina Rosales-López<sup>a</sup>, Luis Sánchez-Chinchilla<sup>b</sup>, Rodrigo Muñoz-Arrieta<sup>b</sup>, Francisco Aguilar-Cascante<sup>b,\*</sup>

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*Phytochemistry 151 (2018) pp. 26–31*



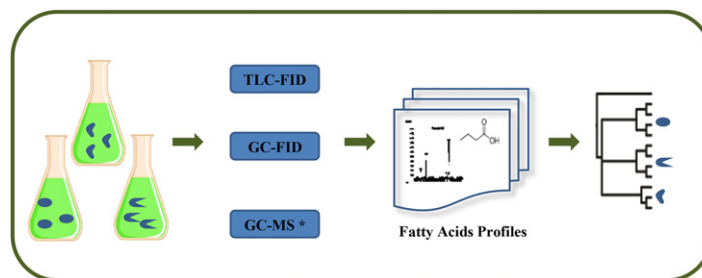
## CHEMOTAXONOMY

### Use of fatty acids in the chemotaxonomy of the family Selenastraceae (Sphaeropleales, Chlorophyceae)

Cilene Cristina Mori<sup>a,\*</sup>, Inessa Lacativa Bagatini<sup>a</sup>, Thais Garcia da Silva<sup>a</sup>, Christopher Charles Parrish<sup>b</sup>, Armando Augusto Henriques Vieira<sup>a</sup>

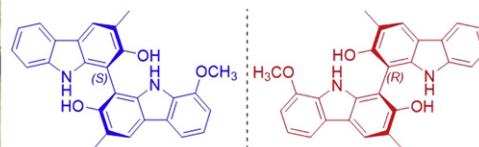
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*Phytochemistry 151 (2018) pp. 9–16*

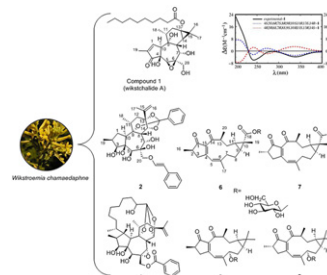
## CHEMISTRY

**Bioactive carbazole and quinoline alkaloids from *Clausena dunniana***Nankai Cao, Yuemei Chen, Xiaoli Ma, Kewu Zeng,  
Mingbo Zhao, Pengfei Tu, Jun Li<sup>\*\*</sup>, Yong Jiang<sup>\*</sup><sup>State Key Laboratory of Natural and Biomimetic Drugs, School of  
Pharmaceutical Sciences, Peking University, Beijing 100191, PR China</sup>**Atropisomers**

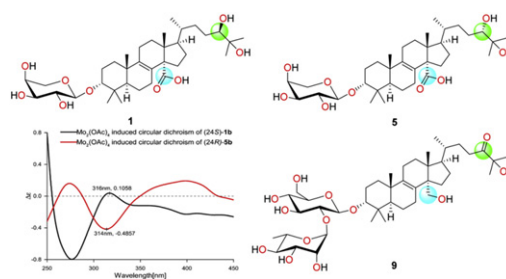
Phytochemistry 151 (2018) pp. 1–8

**Diterpenes from buds of *Wikstroemia chamaedaphne* showing anti-hepatitis B virus activities**Shi-Fei Li<sup>a,\*</sup>, Ying-Ying Jiao<sup>a,b</sup>, Zhi-Qiang Zhang<sup>a</sup>, Jian-Bin Chao<sup>c</sup>, Jie Jia<sup>a</sup>, Xun-Long Shi<sup>d,\*\*</sup>, Li-Wei Zhang<sup>a,\*\*\*</sup><sup>a</sup>Key Laboratory of Chemical Biology and Molecular Engineering of Education Ministry, Institute of Molecular Science, Shanxi  
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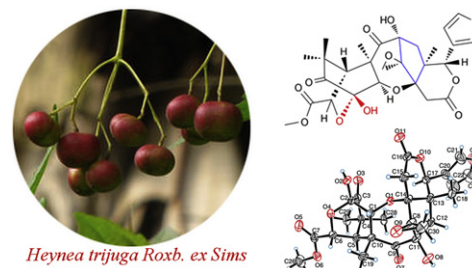
Phytochemistry 151 (2018) pp. 17–25

**Hebecarposides A–K, antiproliferative lanostane-type triterpene glycosides from the leaves of *Lyonia ovalifolia* var. *hebecarpa***Yang Teng<sup>a,b,1</sup>, Hanqi Zhang<sup>a,1</sup>, Junfei Zhou<sup>a</sup>, Guanqun Zhan<sup>a</sup>, Guangmin Yao<sup>a,\*</sup><sup>a</sup>Hubei Key Laboratory of Natural Medicinal Chemistry and Resource Evaluation, School of Pharmacy, Tongji  
Medical College, Huazhong University of Science and Technology, Wuhan 430030, People's Republic of China<sup>b</sup>College of Pharmacy, Jiamusi University, Jiamusi 154007, People's Republic of China

Phytochemistry 151 (2018) pp. 32–41

**Trijugin- and mexicanolide-type limonoids from the fruits of *Heynea trijuga* that reverse multidrug resistance in MCF-7/DOX cells**Fa-Liang An<sup>a,b</sup>, Dong-Mei Sun<sup>a</sup>, Rui-Zhi Wang<sup>a</sup>, Ming-Hua Yang<sup>a</sup>, Jun Luo<sup>a,\*\*</sup>, Ling-Yi Kong<sup>a,\*</sup><sup>a</sup>State Key Laboratory of Natural Medicines, Department of Natural Medicinal Chemistry, China Pharmaceutical  
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