



## European Journal of Medicinal Chemistry Vol 128, 2017

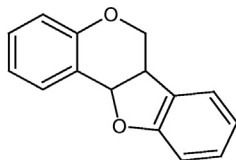
## Graphical abstracts

## REVIEW ARTICLES

**Pterocarpan scaffold: A natural lead molecule with diverse pharmacological properties**

pp. 219–236

Chelliah Selvam\*, Brian C. Jordan, Sandhya Prakash, Daniel Mutisya and Ramasamy Thilagavathi\*\*



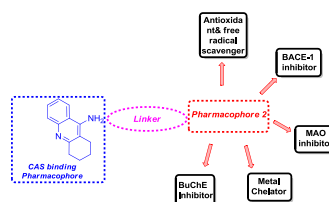
Anticancer Activity  
 Antioxidant and Anti-inflammatory Activity  
 Antimalarial Activity  
 Antimicrobial and Antifungal Activity  
 Anti-osteoporotic Activity

Diverse pharmacological activities of pterocarpan make them as one of the attractive lead molecules for drug discovery.

**A review on tacrine-based scaffolds as multi-target drugs (MTDLs) for Alzheimer's disease**

pp. 332–345

Bilqees Sameem, Mina Saeedi\*, Mohammad Mahdavi and Abbas Shafiee

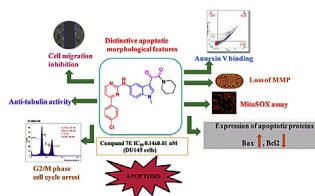


## ORIGINAL ARTICLES

**Synthesis of C<sub>5</sub>-tethered indolyl-3-glyoxylamide derivatives as tubulin polymerization inhibitors**

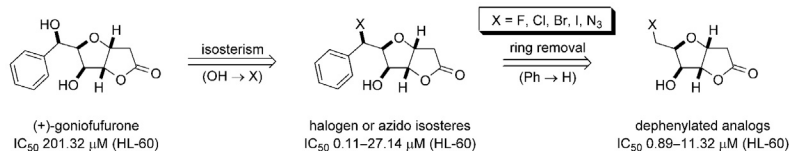
pp. 1–12

Sravanthi Devi Guggilapu, Guntuku Lalita, T. Srinivasa Reddy, Santosh Kumar Prajapti, Atulya Nagarsenkar, Shymala Ramu, Uma Rani Brahma, Uppa Jaya Lakshmi, Ganga Modi Naidu Vegi, Suresh K. Bhargava and Bathini Nagendra Babu\*



**Design, synthesis and in vitro antitumour activity of new goniofufurone and 7-*epi*-goniofufurone mimics with halogen or azido groups at the C-7 position** pp. 13–24

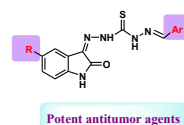
Jovana Francuz, Ivana Kovačević, Mirjana Popsavin, Goran Benedeković, Bojana Srećo Zelenović, Vesna Kojić, Dimitar Jakimov, Lidija Aleksić, Gordana Bogdanović, Tatjana Srdić-Rajić, Eva Lončar, Marko V. Rodić, Vladimir Divjaković and Velimir Popsavin\*



**Isatin-β-thiocarbohydrazones: Microwave-assisted synthesis, antitumor activity and structure-activity relationship** pp. 36–44

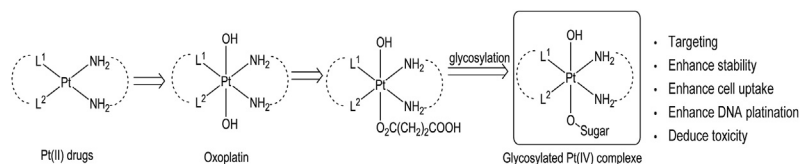
Moustafa T. Gabr, Nadia S. El-Gohary\*, Eman R. El-Bendary, Mohamed M. El-Kerdawy and Nanting Ni

Comp. No.	R	Ar	IC <sub>50</sub> (μM) (Hela)	IC <sub>50</sub> (μM) (COS-7)
4c	CH <sub>3</sub>		1.51	2.19
4d	CH <sub>3</sub>		1.79	3.87
4e	CH <sub>3</sub>		2.73	3.19
4k	CH <sub>3</sub>		3.15	2.12
5c	Br		1.61	2.56
5e	Br		2.22	3.09



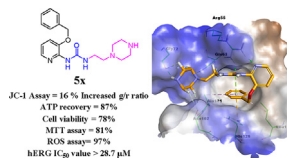
**Mono-functionalized glycosylated platinum(IV) complexes possessed both pH and redox dual-responsive properties: Exhibited enhanced safety and preferentially accumulated in cancer cells *in vitro* and *in vivo*** pp. 45–55

Jing Ma, Xiande Yang, Wenpei Hao, Zhonglv Huang, Xin Wang\* and Peng George Wang\*\*



**Discovery of 1-(3-(benzyloxy)pyridin-2-yl)-3-(2-(piperazin-1-yl)ethyl)urea: A new modulator for amyloid beta-induced mitochondrial dysfunction** pp. 56–69

Ahmed Elkamhawy, Jung-eun Park, Ahmed H.E. Hassan, Hyunhwa Ra, Ae Nim Pae, Jiyoun Lee, Beoung-Geon Park, Bongjin Moon, Hyun-Mee Park and Eun Joo Roh\*



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