



## European Journal of Medicinal Chemistry Vol 118, 2016

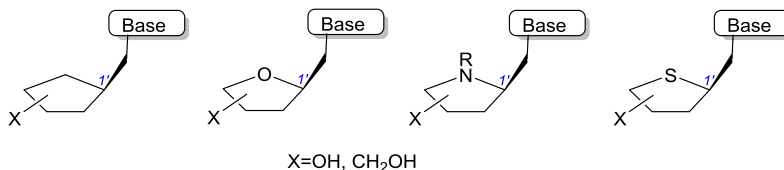
## Graphical abstracts

## REVIEW ARTICLE

**1'-Homonucleosides and their structural analogues: A review**

pp. 121–142

Andrzej E. Wróblewski, Iwona E. Głowacka and Dorota G. Piotrowska\*



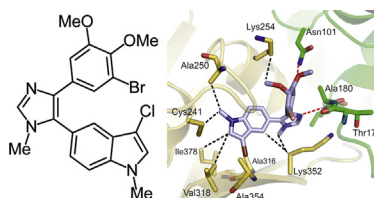
Syntheses and biological activity of 1'-homonucleosides and their structural analogues were reviewed.

## ORIGINAL ARTICLES

**Combretastatin A-4 derived 5-(1-methyl-4-phenyl-imidazol-5-yl)indoles with superior cytotoxic and anti-vascular effects on chemoresistant cancer cells and tumors**

pp. 9–20

Katharina Mahal, Bernhard Biersack, Sebastian Schrufer, Marcus Resch, Ralf Ficner, Rainer Schobert\* and Thomas Mueller

**Synthesis and preliminary evaluation of 3-thiocyanato-1H-indoles as potential anticancer agents**

pp. 21–26

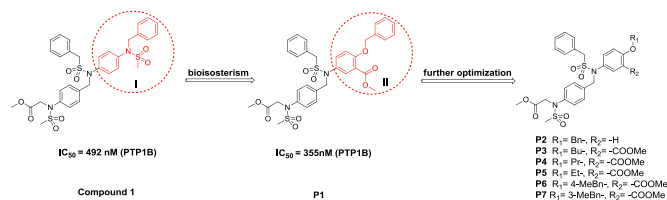
Margiani P. Fortes, Paulo B.N. da Silva, Teresinha G. da Silva, Teodoro S. Kaufman\*, Gardenia C.G. Militão and Claudio C. Silveira\*\*

Comp/Cell Line	HL60	HEP-2	NCI-H292	MCF-7
<b>13a</b>				
IC <sub>50</sub> (μM)	0.02	1.29	0.37	0.55
Cl (95%)	0.02–0.04	0.55–2.58	0.18–0.65	0.37–0.92
<b>13a-IC<sub>50</sub></b>	1.43	2.79	2.07	3.95
Cl (95%)	1.19–1.71	1.56–4.95	1.95–2.19	3.07–5.07
<b>15e-IC<sub>50</sub></b>	1.10	2.80	2.07	4.05
Cl (95%)	0.79–1.53	2.00–3.75	1.87–2.28	1.32–12.4

**Discovery of novel, high potent, ABC type PTP1B inhibitors with TCPTP selectivity and cellular activity**

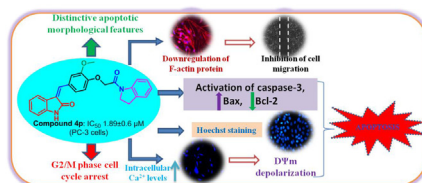
pp. 27–33

Peihong Liu, Yongli Du\*, Lianhua Song, Jingkang Shen and Qunyi Li\*\*

**Design, synthesis and apoptosis inducing effect of novel (Z)-3-(3'-methoxy-4'-(2-amino-2-oxoethoxy)-benzylidene) indolin-2-ones as potential antitumour agents**

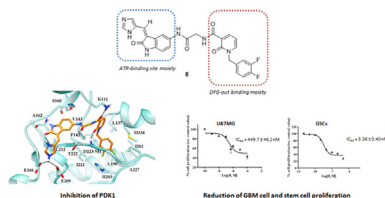
pp. 34–46

Kishna Ram Senwar, T. Srinivasa Reddy, Dinesh Thummuri, Pankaj Sharma, V.G.M. Naidu, Gannoju Srinivasulu and Nagula Shankaraiah\*

**Locking PDK1 in DFG-out conformation through 2-oxo-indole containing molecules: Another tools to fight glioblastoma**

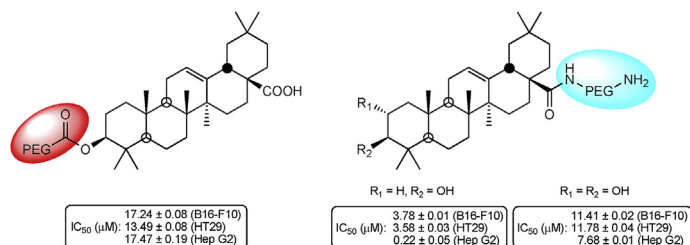
pp. 47–63

Simona Sestito, Simona Daniele, Giulia Nesi, Elisa Zappelli, Danilo Di Maio, Luciana Marinelli, Maria Digiacomio, Annalina Lapucci, Claudia Martini, Ettore Novellino and Simona Rapposelli\*

**Semi-synthesis and antiproliferative evaluation of PEGylated pentacyclic triterpenes**

pp. 64–78

Marta Medina-O'Donnell, Francisco Rivas\*\*, Fernando J. Reyes-Zurita, Antonio Martinez, Samuel Martin-Fonseca, Andres Garcia-Granados, Rosa M. Ferrer-Martín, Jose A. Lupiáñez and Andres Parra\*



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