



European Journal of Medicinal Chemistry Vol 74, 2014

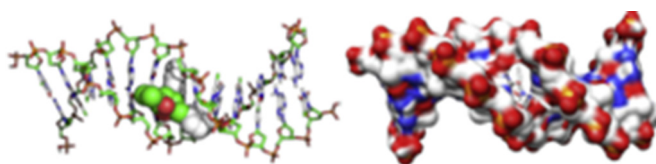
Contents

REVIEW ARTICLE

Recent advances in small organic molecules as DNA intercalating agents: Synthesis, activity, and modeling

pp. 95–115

Antonio Rescifina\*, Chiara Zagni\*, Maria Giulia Varrica, Venerando Pistrà and Antonino Corsaro

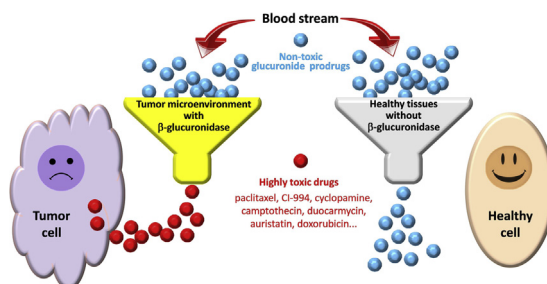


MINI-REVIEWS

$\beta$ -Glucuronidase-responsive prodrugs for selective cancer chemotherapy: An update

pp. 302–313

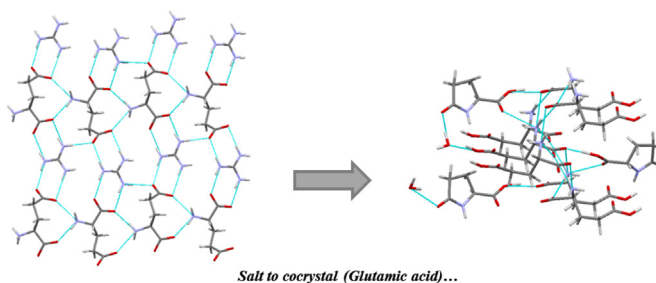
Isabelle Tranoy-Opalinski, Thibaut Legigan, Romain Barat, Jonathan Clarhaut, Mikael Thomas, Brigitte Renoux and Sébastien Papot\*



Pharmaceutical salts and cocrystals involving amino acids: A brief structural overview of the state-of-art

pp. 411–426

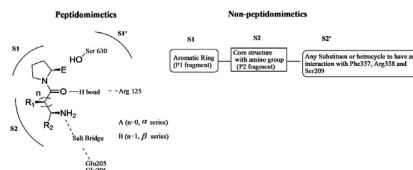
Anaëlle Tilborg\*, Bernadette Norberg and Johan Wouters



**Recent approaches to medicinal chemistry and therapeutic potential of dipeptidyl peptidase-4 (DPP-4) inhibitors**

pp. 574–605

Bhumika D. Patel\* and Manjunath D. Ghate



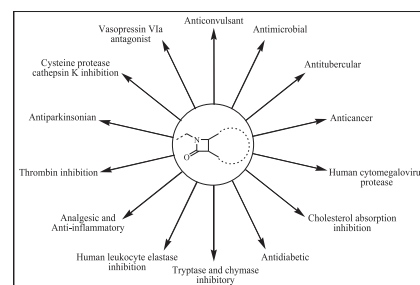
Graphical abstract presents general structure of peptidomimetic and non-peptidomimetic DPP-4 inhibitors with their important interactions sites in DPP-4 binding pocket

**The chemistry and biological potential of azetidin-2-ones**

pp. 619–656

Nikhilesh Arya, Archana Y. Jagdale, Tushar A. Patil, Shradha S. Yeramwar, Sidharam S. Holikatti, Jaya Dwivedi, Chamanlal J. Shishoo and Kishor S. Jain\*

Fourteen diverse biological and pharmacological activities exhibited by various azetidin-2-ones (β-lactams) are comprehensively reviewed with numerous figures and references giving ideas of their structural diversity and immense biological potential.



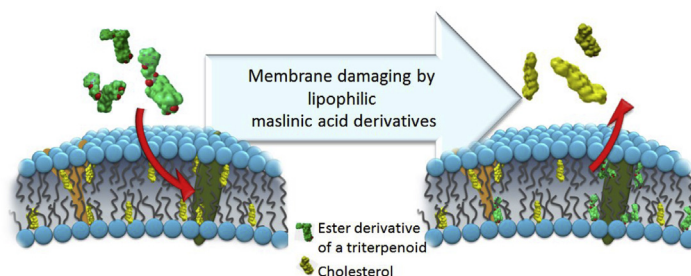
**ORIGINAL ARTICLES**

**Membrane damaging activity of a maslinic acid analog**

pp. 1–6

Bianka Siewert and René Csuk\*

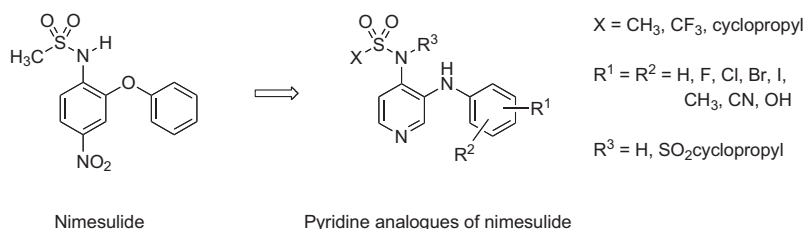
Incubation of human ovarian cancer cells A2780 with 4-oxa-4-phenylbutyl 2,3-dihydroxy-olean-12-en-28-oate (**1**) resulted in an incorporation of **1** into the cell's membrane followed by an extrusion of cholesterol from the lipid rafts.



**N-(3-Arylamino-pyridin-4-yl)alkanesulfonamides as pyridine analogs of nimesulide: Cyclooxygenases inhibition, anti-inflammatory studies and insight on metabolism**

pp. 12–22

Jean-François Renard, Frédéric Lecomte, Philippe Hubert, Xavier de Leval and Bernard Piroette\*



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