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European Journal of Medicinal Chemistry Vol 142, 2017

Graphical abstracts

Editorial - Current advances in cancer research: Therapeutics, Targets, and Chemical Biology

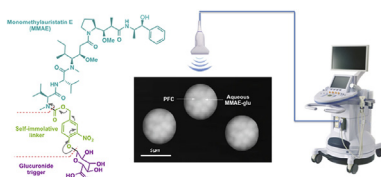
Herve Galons, Editor in Chief, Paola Barraja, Special Issue Guest Editor and Sebastien Papot, Special Issue Guest Editor

pp. 1

In situ targeted activation of an anticancer agent using ultrasound-triggered release of composite droplets

Marine Bezagu, Jonathan Clarhaut, Brigitte Renoux, Fabrice Monti, Mickael Tanter, Patrick Tabeling*, Janine Cossy*, Olivier Couture, Sebastien Papot* and Stellios Arseniyadis*

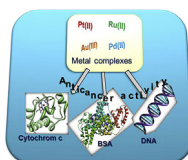
pp. 2–7



Platinum, palladium, gold and ruthenium complexes as anticancer agents: Current clinical uses, cytotoxicity studies and future perspectives

Tatjana Lazarević, Ana Rilak, Dr.** and Živadin D. Bugarčić, Prof. Dr.*

pp. 8–31

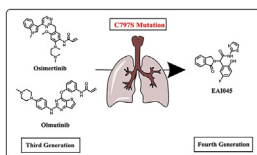


This review gives an overview of the relevant medicinal chemistry of platinum, palladium, gold and ruthenium complexes, which could be used for anticancer or biomedical applications.

Recent updates on third generation EGFR inhibitors and emergence of fourth generation EGFR inhibitors to combat C797S resistance

Harun Patel*, Rahul Pawara, Azim Ansari and Sanjay Surana

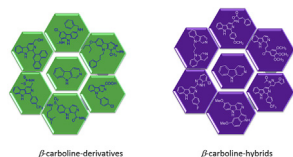
pp. 32–47



Recent insights into synthetic β -carboline derivatives with anti-cancer activities

pp. 48–73

Sumit Kumar, Amandeep Singh, Kewal Kumar and Vipin Kumar*

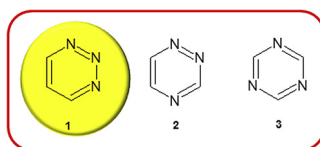


Recent developments (2011–16) in synthesis and anticancer activities of β -carbolines with an emphasis on structure-activity relationship, *in vivo* profiles and mechanism of action.

Synthesis and antitumor activities of 1,2,3-triazines and their benzo- and heterofused derivatives

pp. 74–86

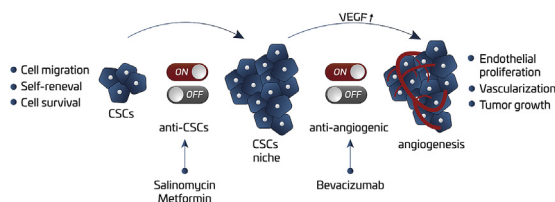
Stella Cascioferro, Barbara Parrino, Virginia Spanò, Anna Carbone, Alessandra Montalbano, Paola Barraja, Patrizia Diana and Girolamo Cirrincione*



Angiogenesis and cancer stem cells: New perspectives on therapy of ovarian cancer

pp. 87–94

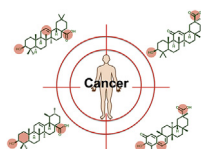
Anna Markowska, Stefan Sajdak, Janina Markowska and Adam Huczyński*



Oleanane-, ursane-, and quinone methide friedelane-type triterpenoid derivatives: Recent advances in cancer treatment

pp. 95–130

Jorge A.R. Salvador*, Ana S. Leal, Ana S. Valdeira, Bruno M.F. Gonçalves, Daniela P.S. Alho, Sandra A.C. Figueiredo, Samuel M. Silvestre and Vanessa I.S. Mendes



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