

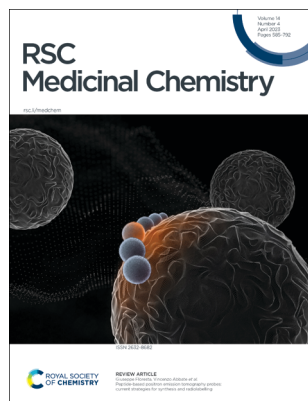
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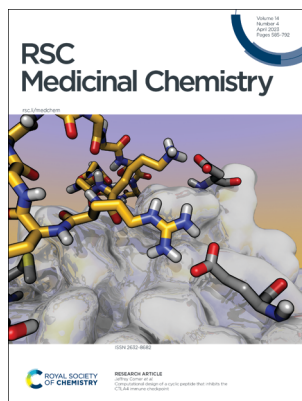
IN THIS ISSUE

ISSN 2632-8682 CODEN RMCSCX 14(4) 585–792 (2023)



Cover

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Inside cover

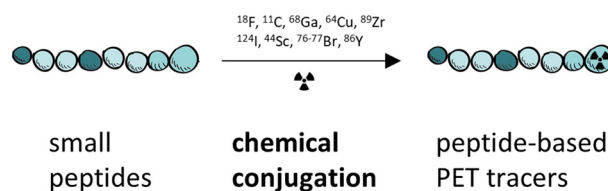
See Jeffrey Comer *et al.*, pp. 658–670. Image reproduced by permission of Jeffrey Comer from *RSC Med. Chem.*, 2023, **14**, 658.

REVIEWS

592

Peptide-based positron emission tomography probes: current strategies for synthesis and radiolabelling

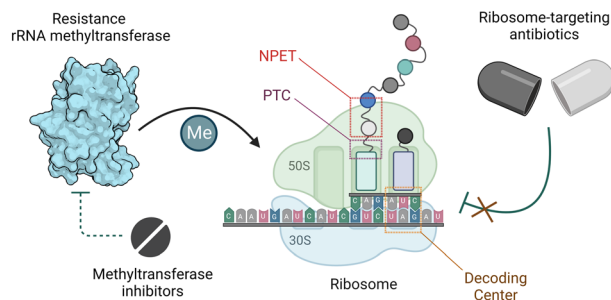
Mariacristina Failla, Giuseppe Floresta* and Vincenzo Abbate*



624

Ribosome-targeting antibiotics and resistance via ribosomal RNA methylation

Learnmore Jeremia, Benjamin E. Deprez, Debayan Dey, Graeme L. Conn* and William M. Wuest*



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RSC Medicinal Chemistry (electronic: ISSN 2632-8682) is published 12 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK

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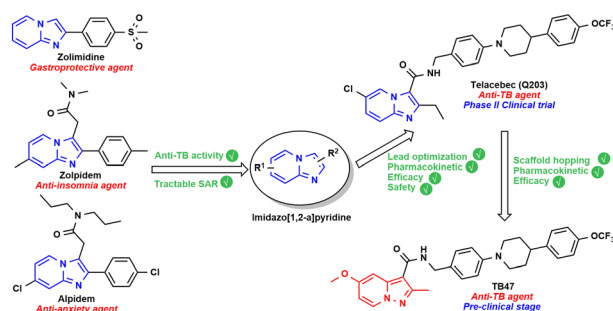


REVIEWS

644

Recent developments of imidazo[1,2-*a*]pyridine analogues as antituberculosis agents

Sauvik Samanta, Sumit Kumar, Eswar K. Aratikatla, Sandeep R. Ghorpade and Vinayak Singh*

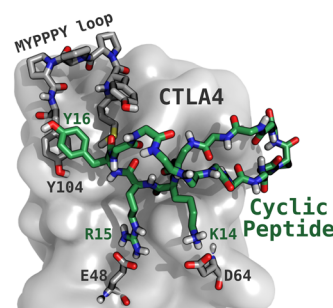


RESEARCH ARTICLES

658

Computational design of a cyclic peptide that inhibits the CTLA4 immune checkpoint

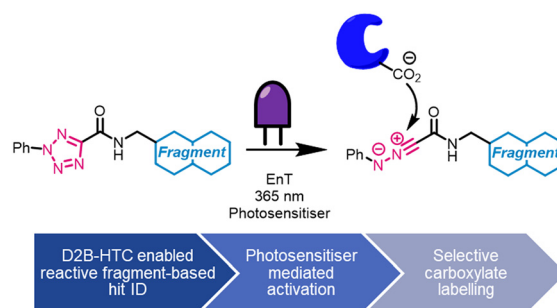
Ravindra Thakkar, Deepa Upreti, Susumu Ishiguro, Masaaki Tamura and Jeffrey Comer*



671

Reactive fragments targeting carboxylate residues employing direct to biology, high-throughput chemistry

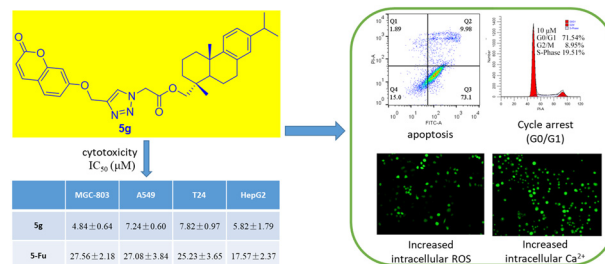
Ross P. Thomas, Emma K. Grant, Eleanor R. Dickinson, Francesca Zappacosta, Lee J. Edwards, Michael M. Hann, David House, Nicholas C. O. Tomkinson* and Jacob T. Bush*



680

Synthesis and anti-proliferative activity of dehydroabietinol derivatives bearing a triazole moiety

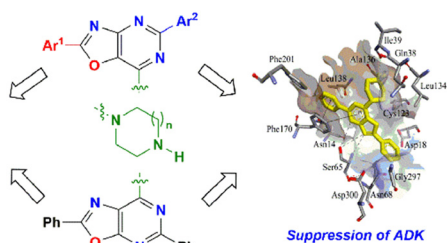
Mingjun Zhu, Jinchuan Sun, Yaju Wu, Xianli Ma, Fuhou Lei, Qian Li,* Caina Jiang* and Fangyao Li*



692

High anti-breast cancer activities:
 $GI_{50} = 0.8 - 7.3 \mu M$
 $TGI = 2.04 - 18.18 \mu M$
 $IC_{50} = 5.10 - 100 \mu M$

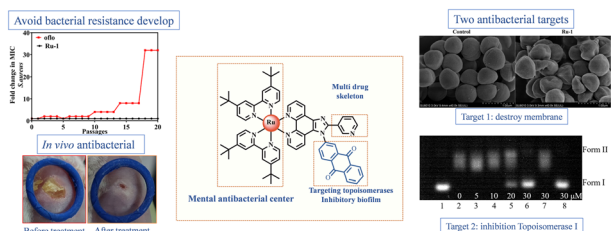
Very high correlation in the LC_{50} vector with tamoxifen; high correlation in the TGI vector with Aclacinomycin A.



Design, synthesis and evaluation of the anti-breast cancer activity of 1,3-oxazolo[4,5-d]pyrimidine and 1,3-oxazolo[5,4-d]pyrimidine derivatives

Yevheniia Velihina,* Raey Gesese, Victor Zhirnov, Oleksandr Kobzar, Benjamin Bui, Stepan Pilyo, Andriy Vovk, Hai-Ying Shen and Volodymyr Brovarets*

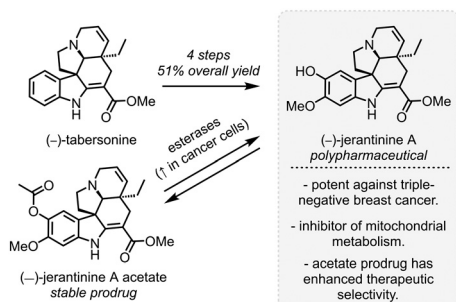
700



Multi-target antibacterial mechanism of ruthenium polypyridine complexes with anthraquinone groups against *Staphylococcus aureus*

Li Jiang, Yuanyuan Ma, Yiman Chen, Mengcheng Cai, Zhixing Wu, Yanshi Xiong, Xuemin Duan,* Xiangwen Liao* and Jintao Wang*

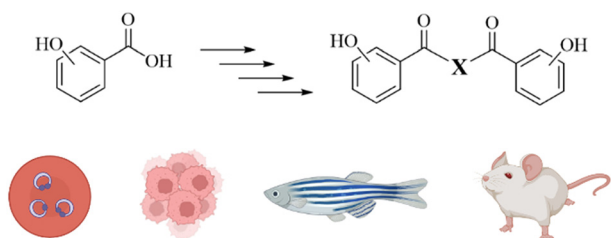
710



Inhibition of mitochondrial metabolism by (-)-jerantinine A: synthesis and biological studies in triple-negative breast cancer cells

Timothy L. Gialelis, Zifei Wang, Joshua A. Homer, Wen-Hsuan Yang, Taemoon Chung, Qingting Hu, Christopher J. Smedley, Nitin J. Pawar, Nitinkumar S. Upadhyay, David A. Tuveson, Scott K. Lyons, Michael J. Lukey* and John E. Moses*

715



Dimeric polyphenols to pave the way for new antimalarial drugs

Gilles Degotte,* Hélène Pendeville, Carla Di Chio, Roberta Ettari, Bernard Pirote, Michel Frédérich and Pierre Francotte

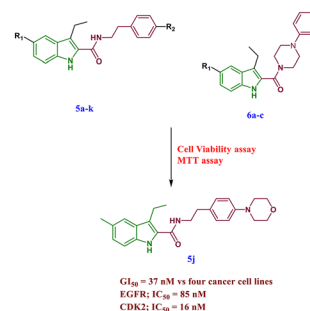


RESEARCH ARTICLES

734

Discovery of new 5-substituted-indole-2-carboxamides as dual epidermal growth factor receptor (EGFR)/cyclin dependent kinase-2 (CDK2) inhibitors with potent antiproliferative action

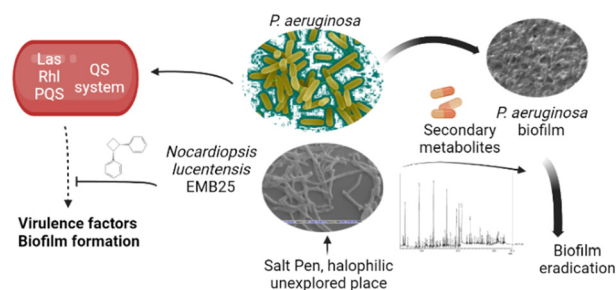
Fatma A. M. Mohamed,* Saleha Y. M. Alakilli, Eman Fawzy El Azab, Faris A. M. Baawad, Esraa Ibrahim A. Shaaban, Heba Abu Alrub, Omnia Hendawy, Hesham A. M. Gomaa, Adel G. Bakr, Mostafa H. Abdelrahman, Laurent Trembleau, Anber F. Mohammed and Bahaa G. M. Youssif*



745

Inhibition and eradication of *Pseudomonas aeruginosa* biofilms by secondary metabolites of *Nocardiopsis lucentensis* EMB25

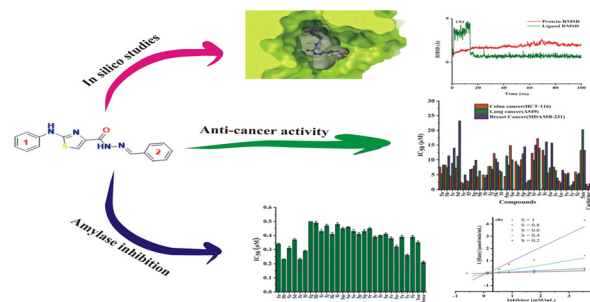
Nikky Goel, Moumita Ghosh, Deepti Jain, Rajeshwari Sinha and Sunil Kumar Khare*



757

Development of thiazole-appended novel hydrazones as a new class of α -amylase inhibitors with anticancer assets: an *in silico* and *in vitro* approach

Sandhya Chahal, Jyoti Punia, Payal Rani, Rajvir Singh, Mayank, Parvin Kumar, Ramesh Kataria, Gaurav Joshi* and Jayant Sindhu*



782

Semisynthetic blasticidin S ester derivatives show enhanced antibiotic activity

Cole Gannett, Paige Banks, Christina Chuong, James Weger-Lucarelli, Emily Mevers and Andrew N. Lowell*

