RSC Medicinal Chemistry

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EDITORIAL

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Introduction to the themed collection on antimicrobial resistance

Jayanta Haldar, Sylvie Garneau-Tsodikova* and Micha Fridman

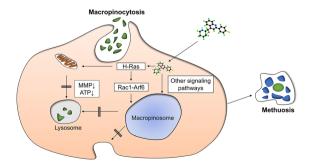


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Tao Ye, Peipei Shan* and Hua Zhang*



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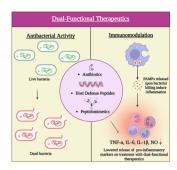


REVIEWS

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Dual functional therapeutics: mitigating bacterial infection and associated inflammation

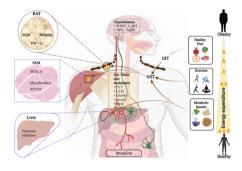
Yash Acharya, Kashish Kumar Taneja and Jayanta Haldar*



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Recent advancements in pharmacological strategies to modulate energy balance for combating obesity

Benudhara Pati, Satyabrata Sendh, Bijayashree Sahu, Sunil Pani, Nivedita Jena and Naresh Chandra Bal*



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Antibacterial activities of anthraquinones: structureactivity relationships and action mechanisms

Tang Qun, Tiantian Zhou, Jiongkai Hao, Chunmei Wang, Keyu Zhang, Jing Xu, Xiaoyang Wang* and Wen Zhou*

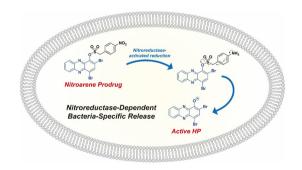


RESEARCH ARTICLES

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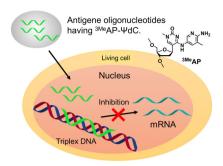
Design, synthesis and evaluation of halogenated phenazine antibacterial prodrugs targeting nitroreductase enzymes for activation

Ke Liu, Tao Xiao, Hongfen Yang, Manyun Chen, Qiwen Gao, Beau R. Brummel, Yousong Ding and Robert W. Huigens III*



RESEARCH ARTICLES

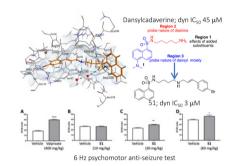
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Inhibition of transcription and antiproliferative effects in a cancer cell line using antigene oligonucleotides containing artificial nucleoside analogues

Lei Wang, Ryotaro Notomi, Shigeki Sasaki and Yosuke Taniguchi*

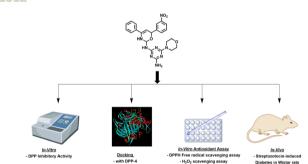
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The sulfonadyns: a class of aryl sulfonamides inhibiting dynamin I GTPase and clathrin mediated endocytosis are anti-seizure in animal models

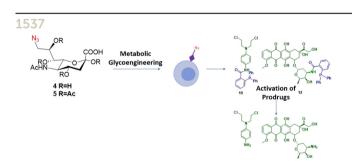
Luke R. Odell, Nigel C. Jones, Ngoc Chau, Mark J. Robertson, Joseph I. Ambrus, Fiona M. Deane, Kelly A. Young, Ainslie Whiting, Jing Xue, Kate Prichard, James A. Daniel, Nick N. Gorgani, Terence J. O'Brien, Phillip J. Robinson* and Adam McCluskey*

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Akanksha Gupta, Hans Raj Bhat and Udaya Pratap Singh*



Bioorthogonal activation of prodrugs, for the potential treatment of breast cancer, using the Staudinger reaction

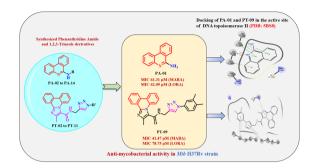
Madonna M. A. Mitry, Samuel Y. Boateng, Francesca Greco* and Helen M. I. Osborn*

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Design, synthesis and biological evaluation of phenanthridine amide and 1,2,3-triazole analogues against Mycobacterium tuberculosis

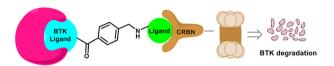
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Design, synthesis, and evaluation of BTK-targeting PROTACs with optimized bioavailability in vitro and in vivo

Yonghui Sun, Zimo Yang, Zhimin Zhang, Zhen Li, Liubin Guo, Hao Pan, Xin Luo, Dongzhou Liu* and Yu Rao*



Novel BTK degrader (15-271) with better bioavailability (F%)

- **Optimized Structure with Fewer Rotatable Bonds**
- Improved Solubility and Simple Synthetic Route
- Better Microsome Stability and Bioavailability in vivo

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N-Acylsulfonamide: a valuable moiety to design new sulfa drug analogues

Romain Amador, Ali Tahrioui, Magalie Barreau, Olivier Lesouhaitier, Michael Smietana* and Guillaume Clavé*

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Synthesis and anticancer evaluation of acetylatedlysine conjugated gemcitabine prodrugs

Mengmeng Wang, Kunyu Qu, Peipei Zhao, Xin Yin, Yiwei Meng, Piet Herdewijn, Chao Liu,* Lixin Zhang* and Xuekui Xia*