

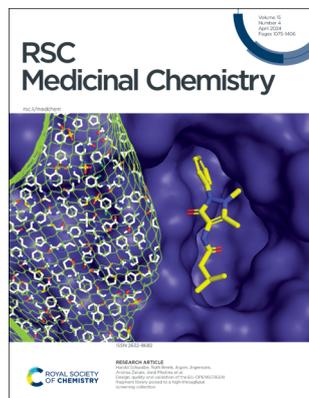
RSC Medicinal Chemistry

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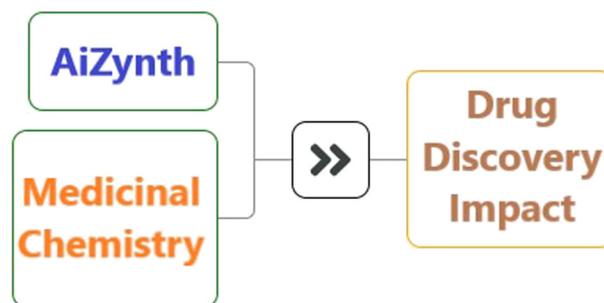
See Harald Schwalbe, Ruth Brenk, Aigars Jirgensons, Andrea Zaliani, Jordi Mestres *et al.*, pp. 1176-1188. Front cover image concept by Jordi Mestres, image created by Xavier Jalencas, artwork designed by Enric Cano and reproduced by permission of Jordi Mestres from *RSC Med. Chem.*, 2024, 15, 1176.

OPINION

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AiZynth impact on medicinal chemistry practice at AstraZeneca

Jason D. Shields,* Rachel Howells, Gillian Lamont, Yin Leilei, Andrew Madin, Christopher E. Reimann, Hadi Rezaei, Tristan Reuillon, Bryony Smith, Clare Thomson, Yuting Zheng and Robert E. Ziegler

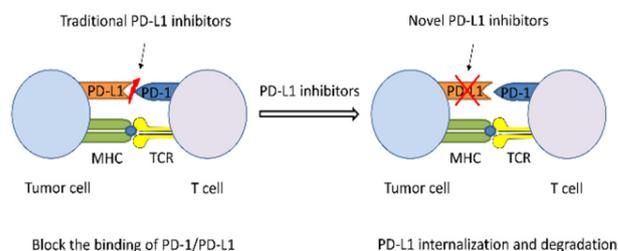


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Beyond inhibition against the PD-1/PD-L1 pathway: development of PD-L1 inhibitors targeting internalization and degradation of PD-L1

Jiazheng Guo, Fengyi Yu, Kuojun Zhang, Sheng Jiang,* Xiangyu Zhang* and Tianyu Wang*



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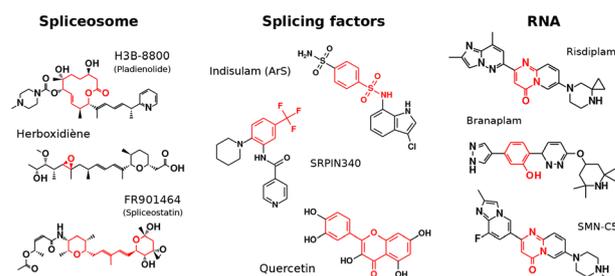


REVIEWS

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Small molecules modulating RNA splicing: a review of targets and future perspectives

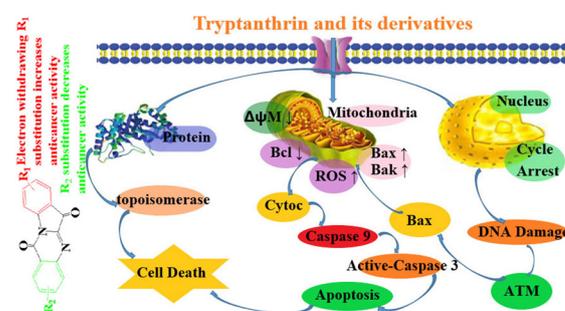
Léa Bouton, Agathe Ecoutin, Florian Malard* and Sébastien Campagne*



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Recent advances of tryptanthrin and its derivatives as potential anticancer agents

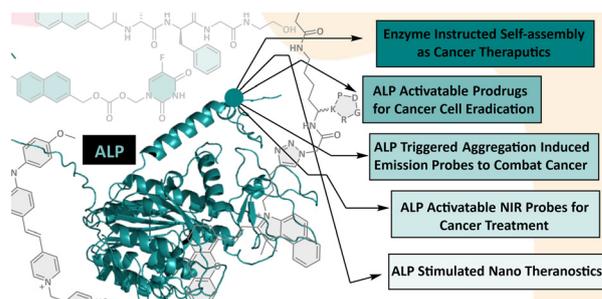
Xiaofeng Zhou



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Emerging potential approaches in alkaline phosphatase (ALP) activatable cancer theranostics

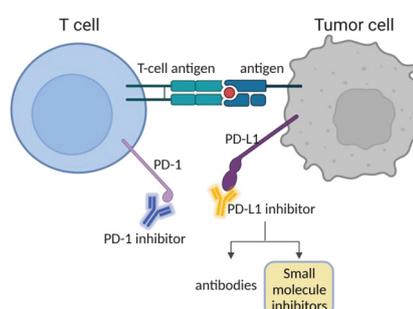
Kartikay Tyagi and V. Venkatesh*



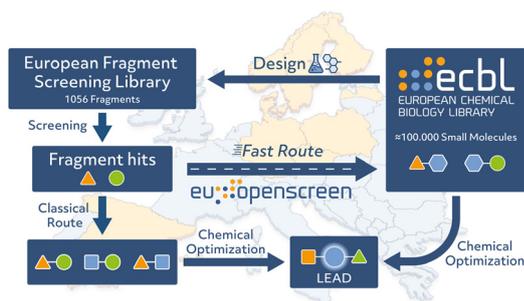
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Progress in small-molecule inhibitors targeting PD-L1

Jindan Xu, Yuanfang Kong, Pengbo Zhu, Mingyan Du, Xuan Liang, Yan Tong,* Xiaofei Li* and Chunhong Dong*



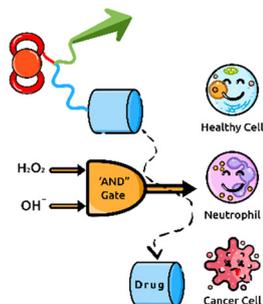
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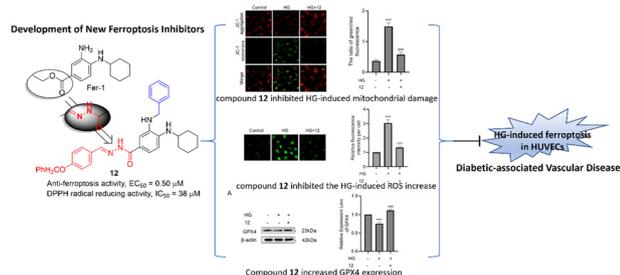
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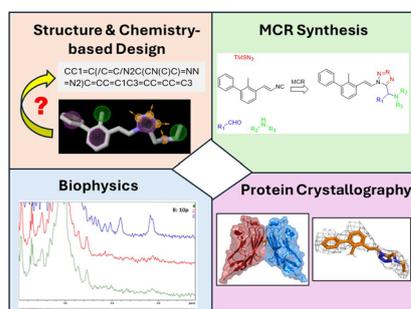
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Design, synthesis, and evaluation of novel ferrostatin derivatives for the prevention of HG-induced VEC ferroptosis

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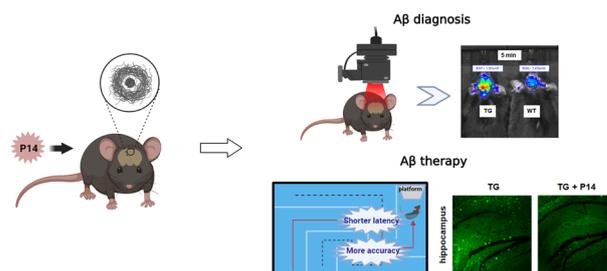


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A novel BODIPY-based theranostic agent for *in vivo* fluorescence imaging of cerebral A β and ameliorating A β -associated disorders in Alzheimer's disease transgenic mice

Jingjing Zhang, Wenming Ren, Xiaohui Liu, Jingjing Chen, Yuteng Zeng, Huaijiang Xiang, Youhong Hu* and Haiyan Zhang*



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Screening of efficient salicylaldoxime reactivators for DFP and paraoxon-inhibited acetylcholinesterase

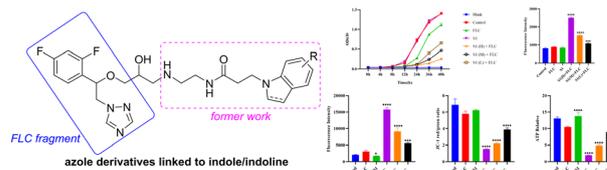
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New azole derivatives linked to indole/indoline moieties combined with FLC against drug-resistant *Candida albicans*

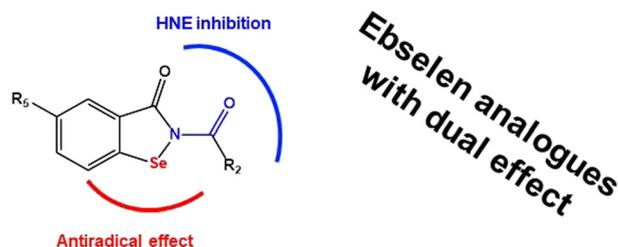
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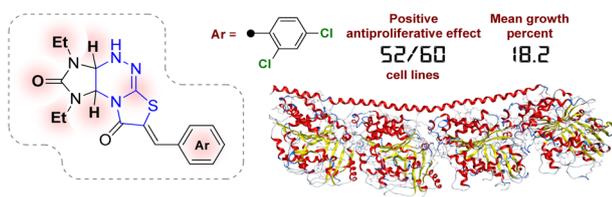
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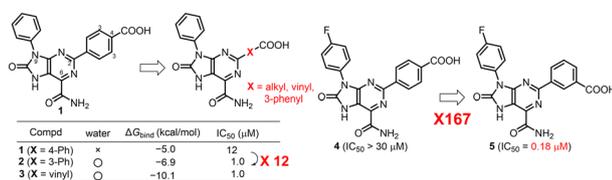
Novel tubulin polymerization inhibitors



Recognition of arylmethylidene derivatives of imidazothiazolotriazinones as novel tubulin polymerization inhibitors

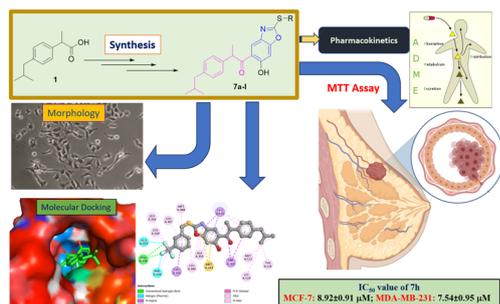
Alexei N. Izmet'sev, Elena V. Svirshchevskaya, Sergey B. Akopov, Angelina N. Kravchenko and Galina A. Gazieva*

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Enhanced inhibitory activity of compounds containing purine scaffolds compared to protein kinase CK2 α considering crystalline water

Keiji Nishiwaki,* Shiori Nakatani, Shinya Nakamura, Kenji Yoshioka, Eri Nakagawa, Masato Tsuyuguchi, Takayoshi Kinoshita and Isao Nakanishi*

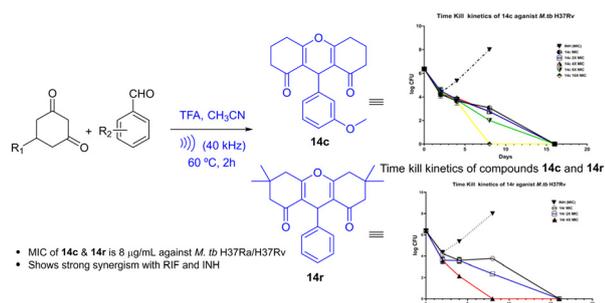
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Design, synthesis, and cytotoxicity of ibuprofen-appended benzoxazole analogues against human breast adenocarcinoma

Vishnu Thumma, Veerabhadraiah Mallikanti, Raghavender Matta, Ravinder Dharavath and Pochampally Jalapathi*

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Trifluoroacetic acid-mediated synthesis of xanthene constructs and their extensive anti-tuberculosis evaluation

Bisma Teli, Mohamad Mosa Mubarak, Zahoor Ahmad* and Bilal A. Bhat*

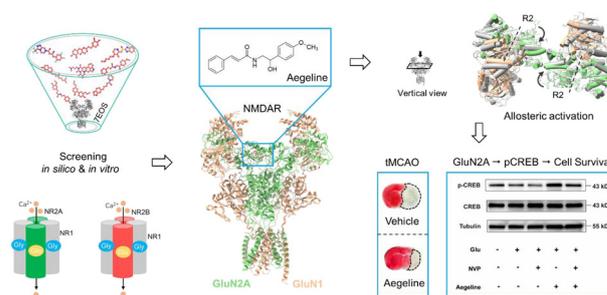


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Discovery of novel positive allosteric modulators targeting GluN1/2A NMDARs as anti-stroke therapeutic agents

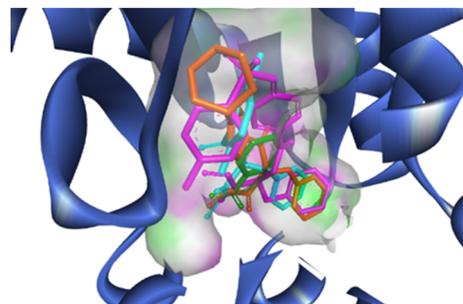
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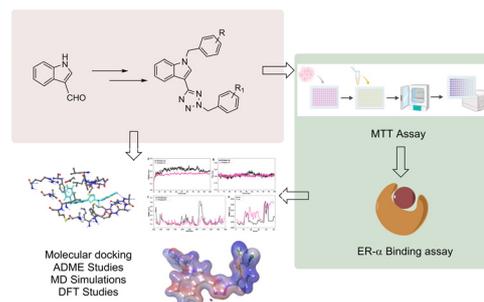
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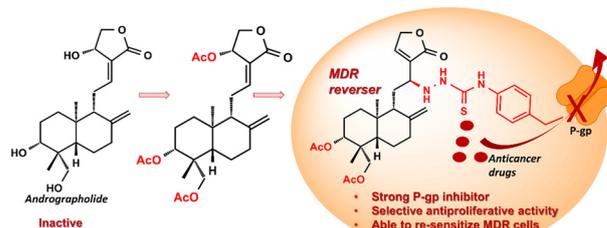
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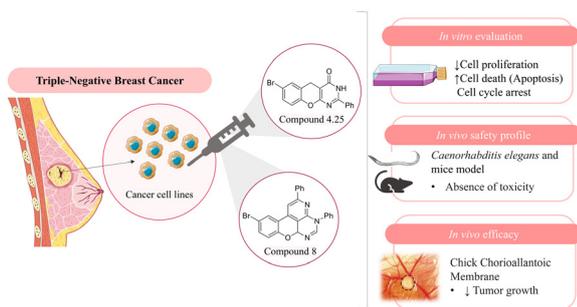
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Nitrogen-containing andrographolide derivatives with multidrug resistance reversal effects in cancer cells

Joana R. L. Ribeiro, Nikoletta Szemerédi, Bruno M. F. Gonçalves, Gabriella Spengler, Carlos A. M. Afonso and Maria-José U. Ferreira*



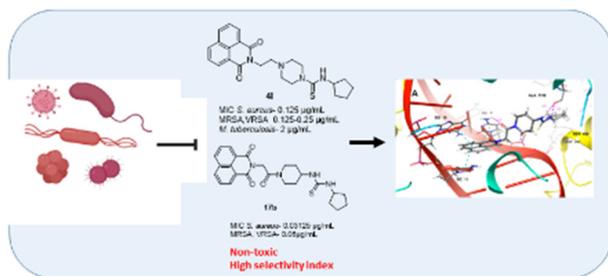
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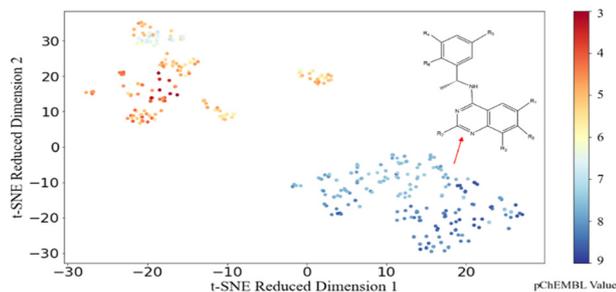
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Sidharth Chopra* and Srinivas Nanduri* *et al.*

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Lihui Duo, Yi Chen, Qiupei Liu, Zhangyi Ma, Amin Farjudian, Wan Yong Ho, Sze Shin Low, Jianfeng Ren,* Jonathan D. Hirst,* Hua Xie* and Bencan Tang*

