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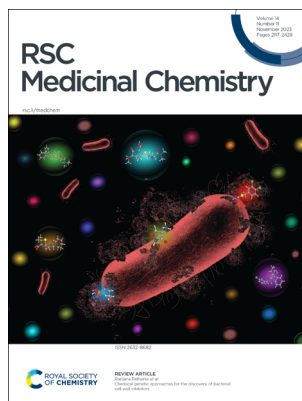
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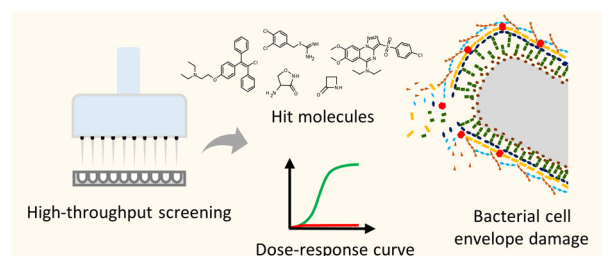
See Ranjana Pathania *et al.*, pp. 2125–2154. Image designed by Rinki Gupta and reproduced by permission of Ranjana Pathania from *RSC Med. Chem.*, 2023, **14**, 2125.

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Chemical genetic approaches for the discovery of bacterial cell wall inhibitors

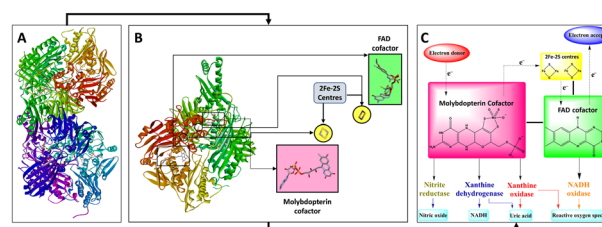
Rinki Gupta, Mangal Singh and Ranjana Pathania*



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Past, present and future of xanthine oxidase inhibitors: design strategies, structural and pharmacological insights, patents and clinical trials

Atamjit Singh,* Karanvir Singh, Aman Sharma, Kirandeep Kaur, Renu Chadha and Preet Mohinder Singh Bedi*



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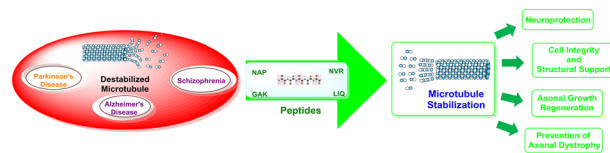


REVIEWS

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Microtubule stabilising peptides: new paradigm towards management of neuronal disorders

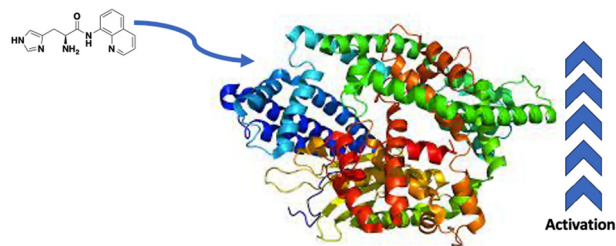
Shubhangi Bhargava, Riya Kulkarni, Bhaskar Dewangan, Neeraj Kulkarni, Chirag Jiaswar, Kunal Kumar, Amit Kumar, Praveen Reddy Bodhe, Hemant Kumar and Bichismita Sahu*



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The evolution of small molecule enzyme activators

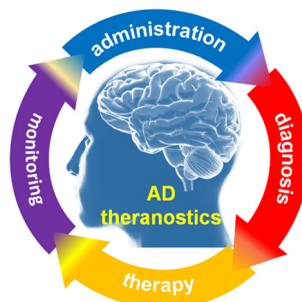
Louise F. Dow, Alfie M. Case, Megan P. Paustian, Braeden R. Pinkerton, Princess Simeon and Paul C. Trippier*



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Recent progress of small-molecule-based theranostic agents in Alzheimer's disease

Furong Gao, Jiefang Chen, Yuancun Zhou, Letong Cheng, Ming Hu and Xiaohui Wang*

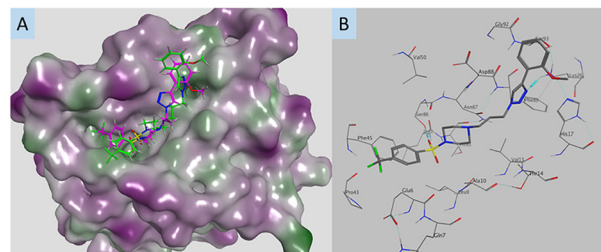


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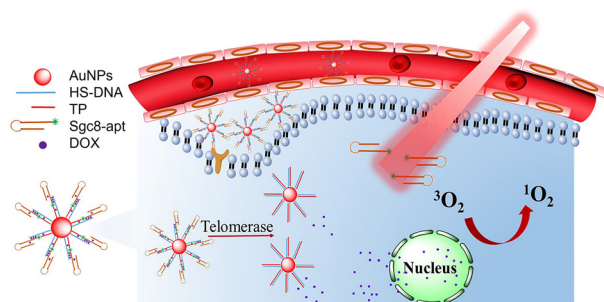
Novel piperazine-1,2,3-triazole leads for the potential treatment of pancreatic cancer

Jufeng Sun, Jennifer R. Baker, Cecilia C. Russell, Hong N. T. Pham, Chloe D. Goldsmith, Peter J. Cossar, Jennette A. Sakoff,* Christopher J. Scarlett* and Adam McCluskey*



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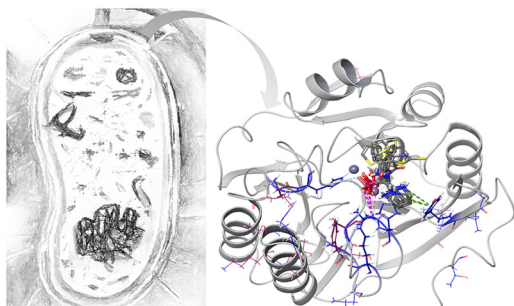
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Telomerase-activated Au@DNA nanomachine for targeted chemo-photodynamic synergistic therapy

Yun-Jie Zhou, Jing Zhang, Dong-Xiao Cao, An-Na Tang* and De-Ming Kong*

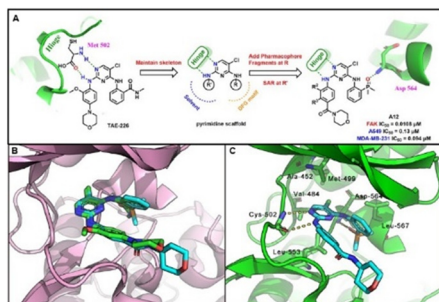
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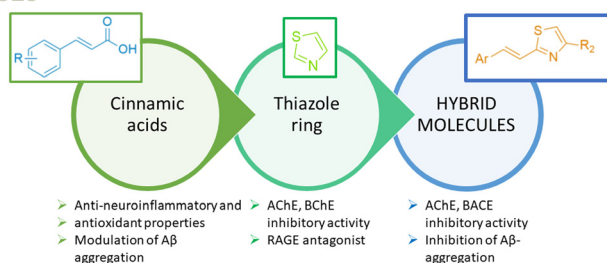
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Design, synthesis, and biological evaluation of diaminopyrimidine derivatives as novel focal adhesion kinase inhibitors

Yixiang Sun, Zixuan Gao, Ruifeng Wang, Guoqi Zhang, Tianxiao Wu, Wenbo Yin, Yin Sun, Qiaohua Qin, Dongmei Zhao* and Maosheng Cheng

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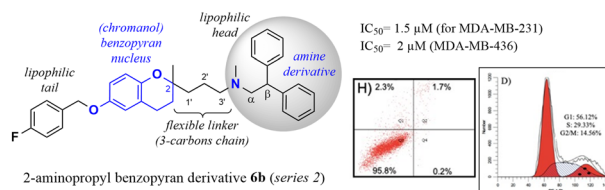


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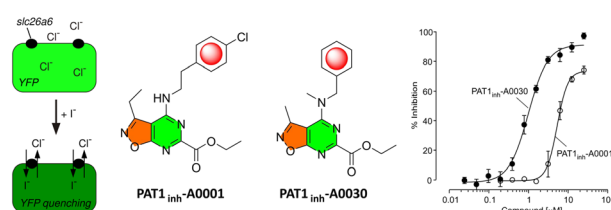
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Selective isoxazolopyrimidine PAT1 (SLC26A6) inhibitors for therapy of intestinal disorders

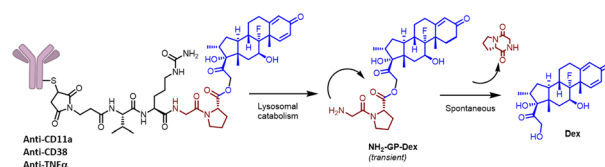
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ValCitGlyPro-dexamethasone antibody conjugates selectively suppress the activation of human monocytes

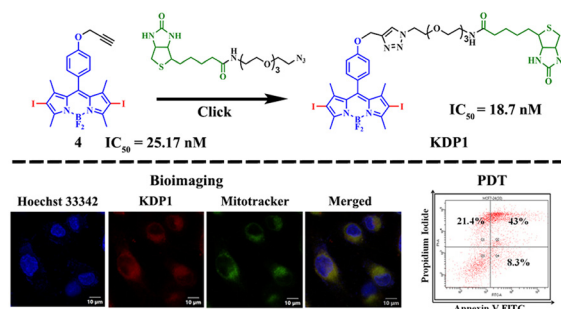
Justin M. Howe, Siteng Fang, Kelsey A. Watts, Fanny Xu, Samantha R. Benjamin and L. Nathan Tumey*



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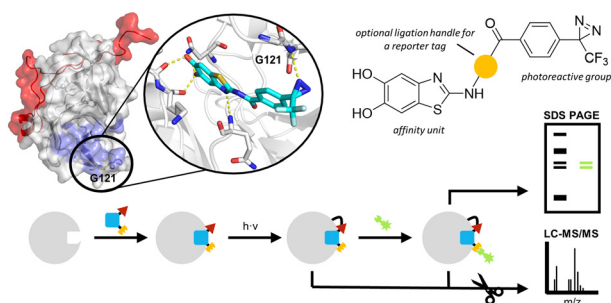
Mitochondria-targeted biotin-conjugated BODIPYs for cancer imaging and therapy

Dhiraj Dutta, Rajshree R. Nair, Kashmiri Neog, S. Asha Nair* and Pranjal Gogoi*



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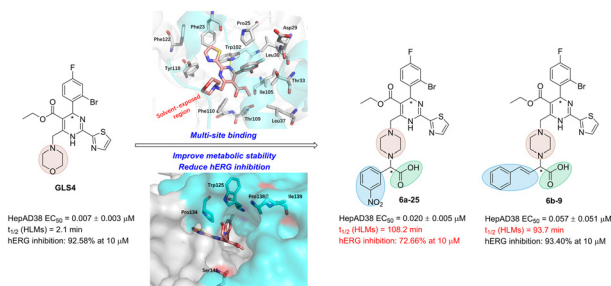
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Designing photoaffinity tool compounds for the investigation of the DENV NS2B-NS3 protease allosteric binding pocket

Hannah Maus, Andrea Gellert, Olivia R. Englert, Jia-Xuan Chen, Tanja Schirmeister and Fabian Barthels*

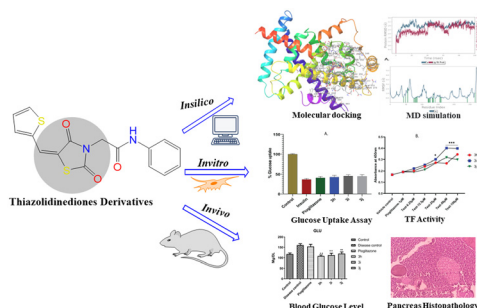
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Discovery of carboxyl-containing heteroaryldihydropyrimidine derivatives as novel HBV capsid assembly modulators with significantly improved metabolic stability

Shujie Zhao, Ya Wang, Xujie Zhang, Lijun Qiao, Shuo Wang, Yu Jin, Shuo Wu,* Yuhuan Li,* Peng Zhan* and Xinyong Liu*

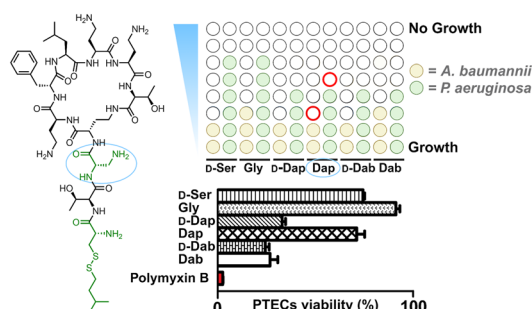
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Development of novel thiazolidine-2,4-dione derivatives as PPAR-γ agonists through design, synthesis, computational docking, MD simulation, and comprehensive *in vitro* and *in vivo* evaluation

Mahendra Gowdru Srinivasa, Revanasiddappa B. C.,* Ashwini Prabhu, Vinitha Rani, Sudeep D. Ghate and Prashantha Kumar B. R.

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Semisynthetic polymyxins with potent antibacterial activity and reduced kidney cell toxicity

Cornelis J. Slingerland, Vladyslav Lysenko, Samhita Chaudhuri, Charlotte M. J. Wesseling, Devon Barnes, Rosalinde Masereeuw and Nathaniel I. Martin*

