

RSC Medicinal Chemistry

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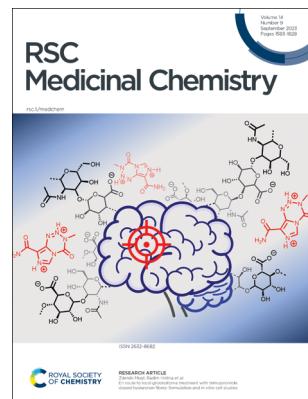
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ISSN 2632-8682 CODEN RMCSCX 14(9) 1583–1828 (2023)



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See Marcelo E. Tolmasky et al., pp. 1591–1602.
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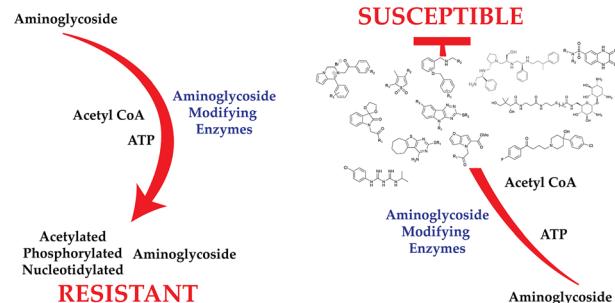
See Zdeněk Musil, Radim Hrdina et al., pp. 1662–1666.
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REVIEWS

1591

Restoring susceptibility to aminoglycosides: identifying small molecule inhibitors of enzymatic inactivation

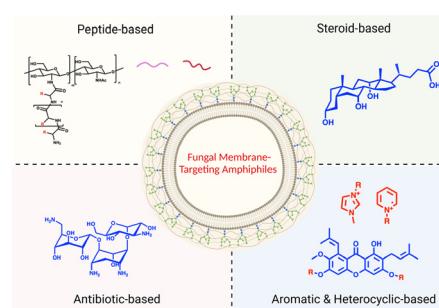
Angel J. Magaña, Jan Sklenicka, Clemencia Pinilla, Marc Julianotti, Prem Chapagain, Radleigh Santos, Maria Soledad Ramirez and Marcelo E. Tolmasky*



1603

Recent developments in membrane targeting antifungal agents to mitigate antifungal resistance

Devashish Mehta, Varsha Saini and Avinash Bajaj*



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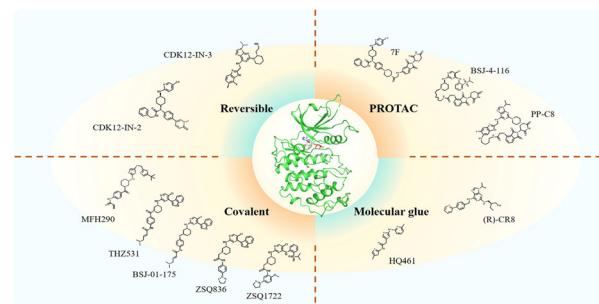


REVIEWS

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Research progress of anticancer drugs targeting CDK12

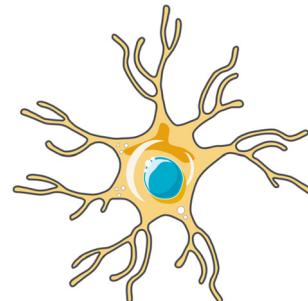
Zhijia Yan, Yongli Du,* Haibin Zhang, Yong Zheng, Huiting Lv, Ning Dong and Fang He



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Druggable targets for the immunopathology of Alzheimer's disease

Donald F. Weaver*

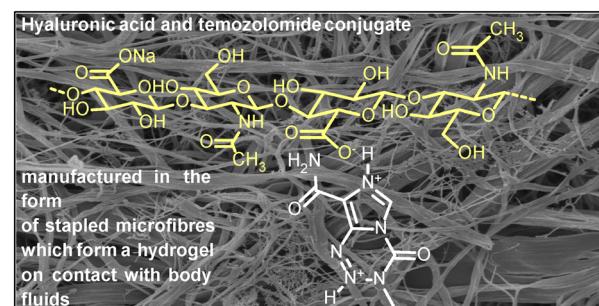


RESEARCH ARTICLES

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En route to local glioblastoma treatment with temozolomide doped hyaluronan fibres: formulation and *in vitro* cell studies

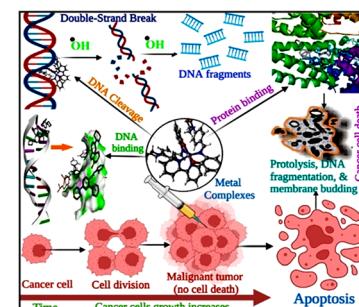
Marie Belhajová, Aleš Vícha, Ladislav Burgert, Iveta Brožková, Ludmila Michaličková, Radim Hrdina, Tomáš Moravec, David Netuka, Zdeněk Musil* and Radim Hrdina*



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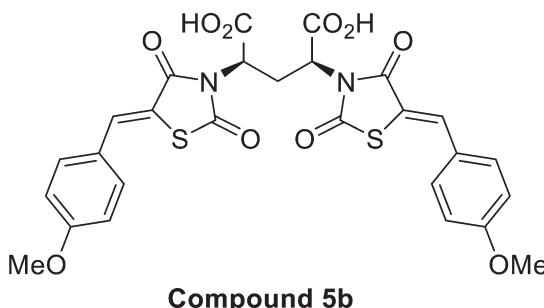
Exploring the antioxidant, antimicrobial, cytotoxic and biothermodynamic properties of novel morpholine derivative bioactive Mn(II), Co(II) and Ni(II) complexes – combined experimental and theoretical measurements towards DNA/BSA/SARS-CoV-2 3CL^{Pro}

Karunganathan Sakthikumar, Bienfait Kabuyaya Isamura and Rui Werner Maçedo Krause*



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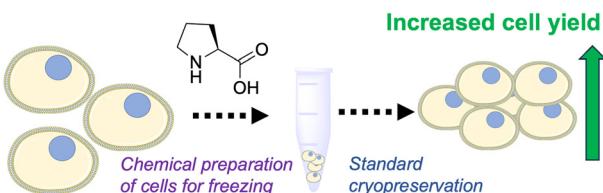
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Enhancing allosteric inhibition of dihydridipicolinate synthase through the design and synthesis of novel dimeric compounds

Rebecca M. Christoff, Mohammad Al Bayer, Tatiana P. Soares da Costa, Matthew A. Perugini and Belinda M. Abbott*

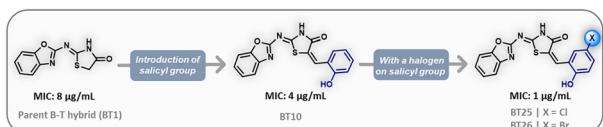
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Proline pre-conditioning of Jurkat cells improves recovery after cryopreservation

Alex Murray, Peter Kilbride and Matthew I. Gibson*

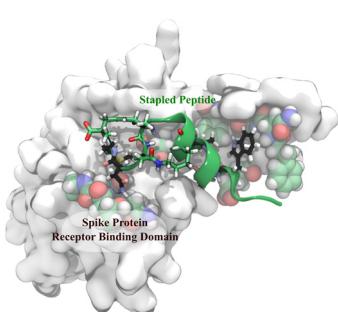
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Discovery of benzoxazole–thiazolidinone hybrids as promising antibacterial agents against *Staphylococcus aureus* and *Enterococcus* species

Vijay Sai Krishna Cheerala, Abdul Akhir, Deepanshi Saxena, Rahul Maitra, Sidharth Chopra* and Sundaresan Chittor Neelakantan*

1722



***De novo* design of a stapled peptide targeting SARS-CoV-2 spike protein receptor-binding domain**

Ravindra Thakkar,* Dilip K. Agarwal, Chathuranga B. Ranaweera, Susumu Ishiguro, Martin Conda-Sheridan, Natasha N. Gaudreault, Juergen A. Richt, Masaaki Tamura and Jeffrey Comer

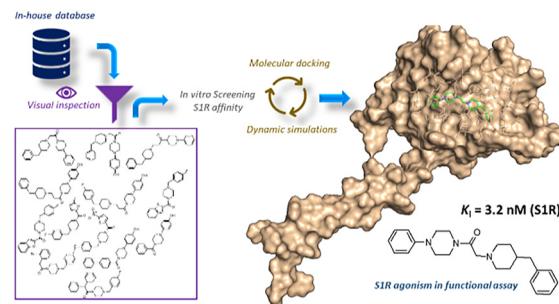


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Discovery and computational studies of piperidine/piperazine-based compounds endowed with sigma receptor affinity

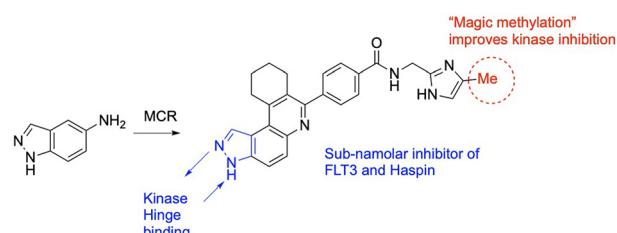
Laura De Luca, Lisa Lombardo, Salvatore Mirabile, Agostino Marrazzo, Maria Dichiara, Giuseppe Cosentino, Emanuele Amata and Rosaria Gitto*



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Dual FLT3/haspin kinase inhibitor based on 3H-pyrazolo[4,3-f]quinoline scaffold with activities against acute myeloid leukemia

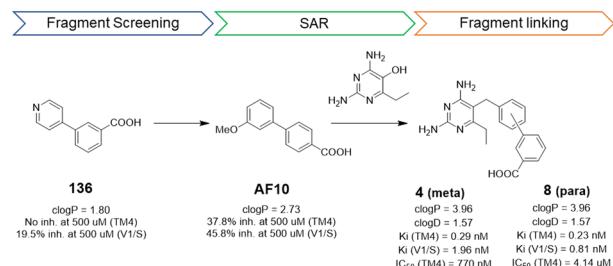
Allison L. Kempen, Nickolas R. Brauer and Herman O. Sintim*



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Discovery of rigid biphenyl *Plasmodium falciparum* DHFR inhibitors using a fragment linking strategy

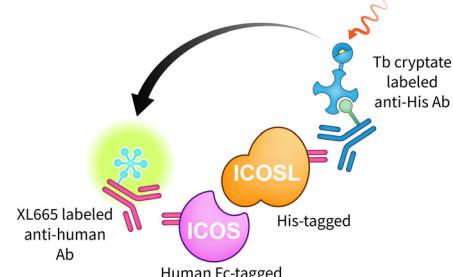
Marie Hoarau,* Patpanat Sermmai, Thaveechai Varathan, Ratthiya Thiabma, Tararat Jantra, Roonglawan Rattanajak, Danoo Vitsupakorn, Jarunee Vanichtanankul, Siriporn Saepua, Yongyuth Yuthavong, Chawanee Thongpanchang and Sumalee Kamchonwongpaisan



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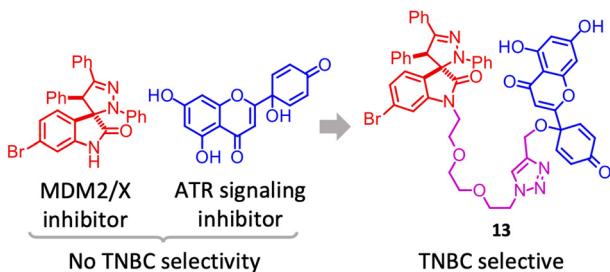
First-in-class small molecule inhibitors of ICOS/ICOSL interaction as a novel class of immunomodulators

Somaya A. Abdel-Rahman, Katarzyna Świderek and Moustafa T. Gabr*



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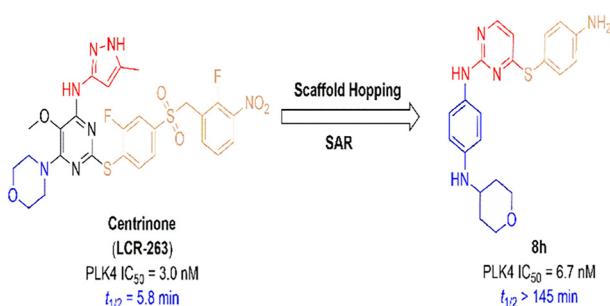
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Hybrid molecules of protoflavones and spirooxindole derivatives with selective cytotoxicity against triple-negative breast cancer cells

Gábor Girst, Elizabeth A. Lopes, Lídia M. Gonçalves, Margarida Espadinha, Norbert Kúsz, Hui-Chun Wang, Maria M. M. Santos* and Attila Hunyadi*

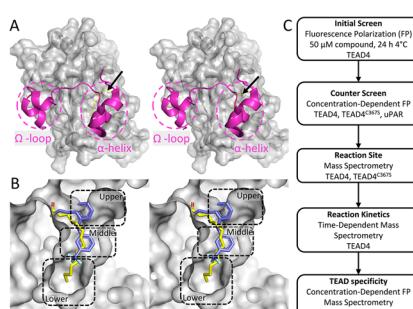
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Design, synthesis, and biological evaluation of novel pyrimidin-2-amine derivatives as potent PLK4 inhibitors

Yanli Xue, Shuyi Mu, Pengkun Sun, Yin Sun, Nian Liu, Yu Sun, Lin Wang, Dongmei Zhao* and Maosheng Cheng

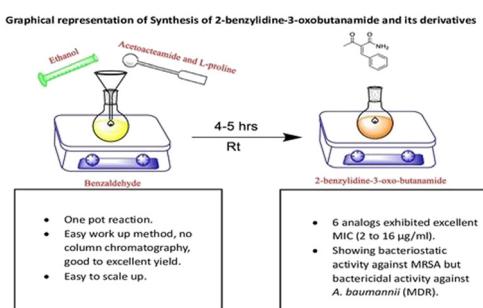
1803



Chloroacetamide fragment library screening identifies new scaffolds for covalent inhibition of the TEAD-YAP1 interaction

Khuchtumur Bum-Erdene, Mona K. Ghozayel, Mark J. Zhang, Giovanni Gonzalez-Gutierrez and Samy O. Meroueh*

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Synthesis and antibacterial activity of 2-benzylidene-3-oxobutanamide derivatives against resistant pathogens

Ankur Sood and Venkitasamy Kesavan*

