

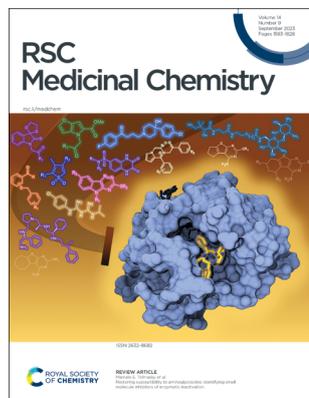
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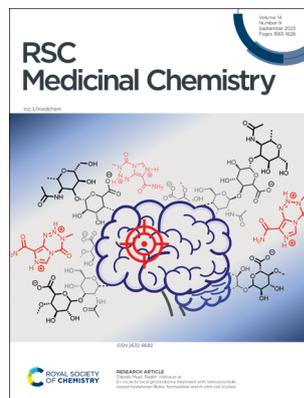
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IN THIS ISSUE

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



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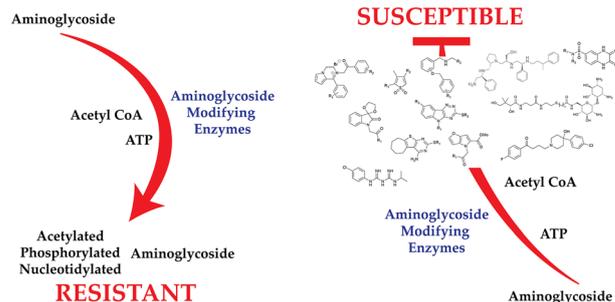
Inside cover
See Zdeněk Musil, Radim Hrdina *et al.*, pp. 1662–1666.
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REVIEWS

1591

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

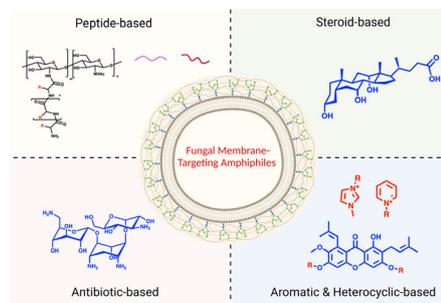
Angel J. Magaña, Jan Sklenicka, Clemencia Pinilla, Marc Giulianotti, Prem Chapagain, Radleigh Santos, Maria Soledad Ramirez and Marcelo E. Tolmasky*



1603

Recent developments in membrane targeting antifungal agents to mitigate antifungal resistance

Devashish Mehta, Varsha Saini and Avinash Bajaj*



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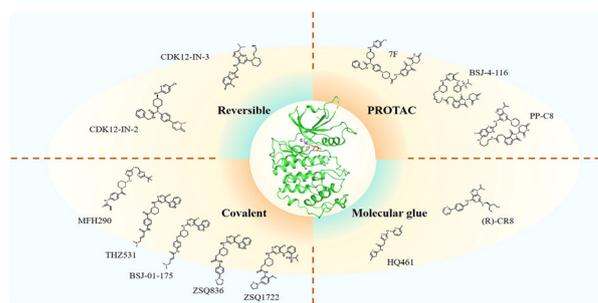


REVIEWS

1629

Research progress of anticancer drugs targeting CDK12

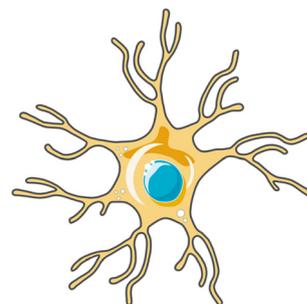
Zhijia Yan, Yongli Du,* Haibin Zhang, Yong Zheng, Huiting Lv, Ning Dong and Fang He



1645

Druggable targets for the immunopathy of Alzheimer's disease

Donald F. Weaver*

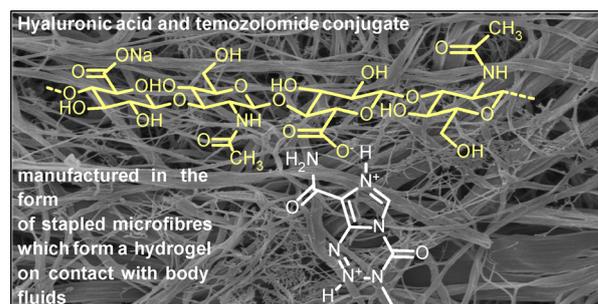


RESEARCH ARTICLES

1662

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

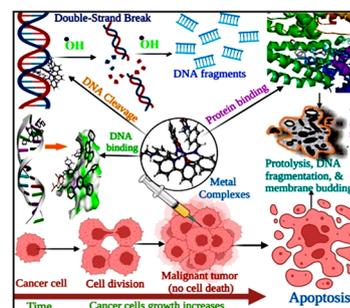
Marie Belhajová, Aleš Vicha, Ladislav Burgert, Iveta Brožková, Ludmila Michalíčková, Radim Hrdina, Tomáš Moravec, David Netuka, Zdeněk Musil* and Radim Hrdina*



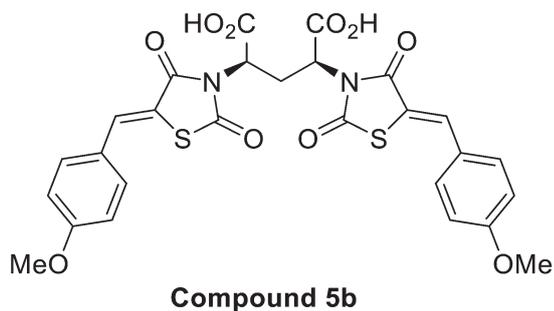
1667

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*



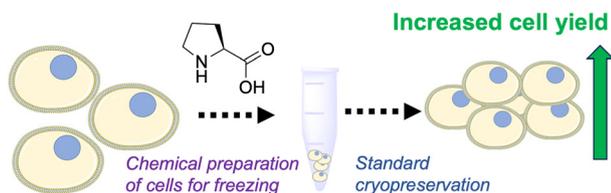
1698



Enhancing allosteric inhibition of dihydrodipicolinate 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*

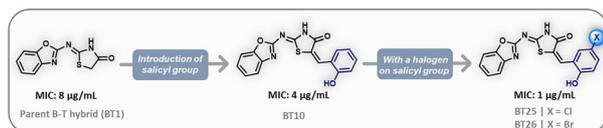
1704



Proline pre-conditioning of Jurkat cells improves recovery after cryopreservation

Alex Murray, Peter Kilbride and Matthew I. Gibson*

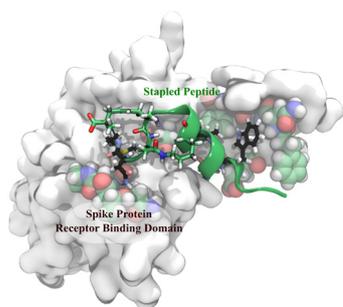
1712



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

Vijay Sai Krishna Cheerla, 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

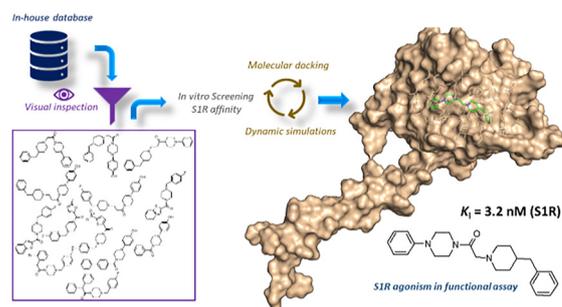


RESEARCH ARTICLES

1734

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

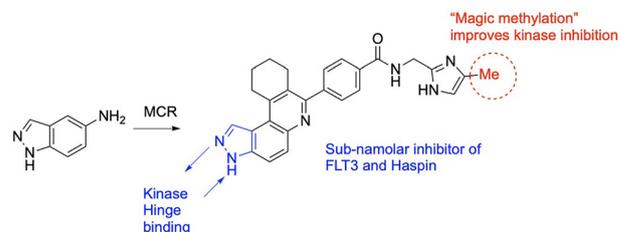
Laura De Luca, Lisa Lombardo, Salvatore Mirabile, Agostino Marrazzo, Maria Dichiara, Giuseppe Cosentino, Emanuele Amata and Rosaria Gitto*



1743

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

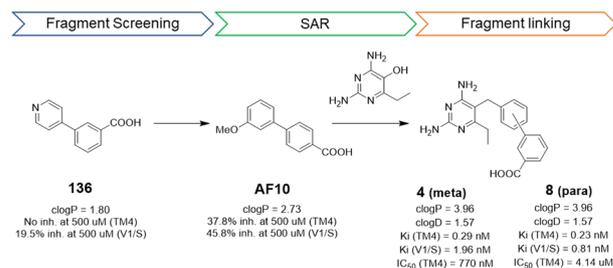
Allison L. Kempen, Nickolas R. Brauer and Herman O. Sintim*



1755

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

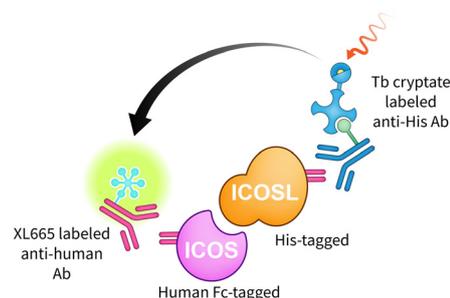
Marie Hoarau,* Patpanat Sermmmai, Thaveechai Varatthan, Ratthiya Thiabma, Tararat Jantra, Roonglawan Rattanajak, Danoo Vitsupakorn, Jarunee Vanichtanankul, Siriporn Saepua, Yongyuth Yuthavong, Chawanee Thongpanchang and Sumalee Kamchonwongpaisan



1767

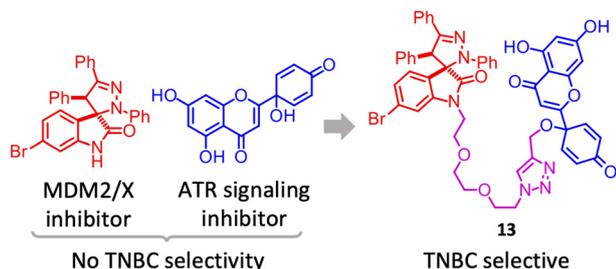
First-in-class small molecule inhibitors of ICOS/ICOSL interaction as a novel class of immunomodulators

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



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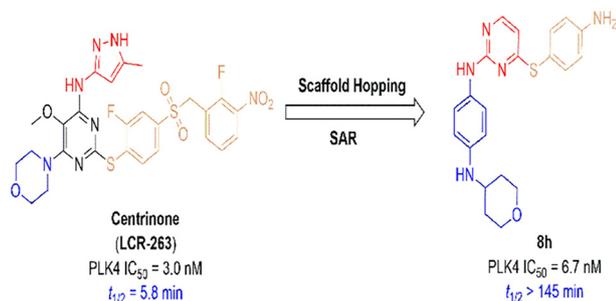
1778



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*

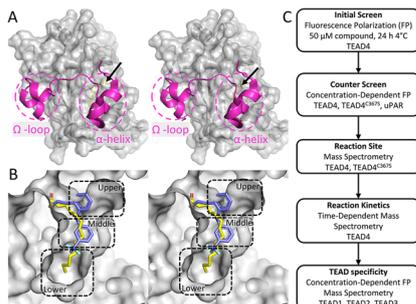
1787



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

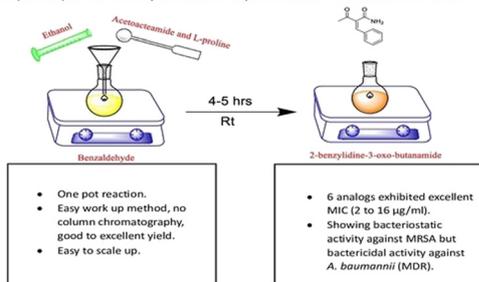


Chloroacetamide fragment library screening identifies new scaffolds for covalent inhibition of the TEAD·YAP1 interaction

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

1817

Graphical representation of Synthesis of 2-benzylidene-3-oxobutanamide and its derivatives



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

Ankur Sood and Venkitasamy Kesavan*

