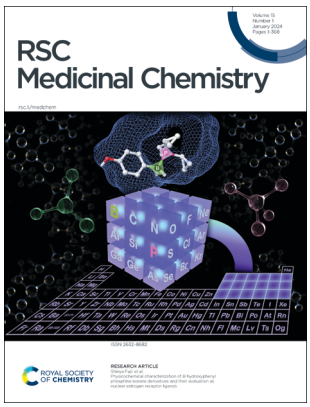
RSC Medicinal Chemistry

rsc.li/medchem

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

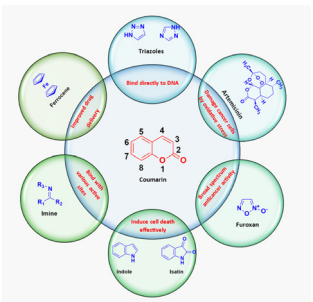
IN THIS ISSUE

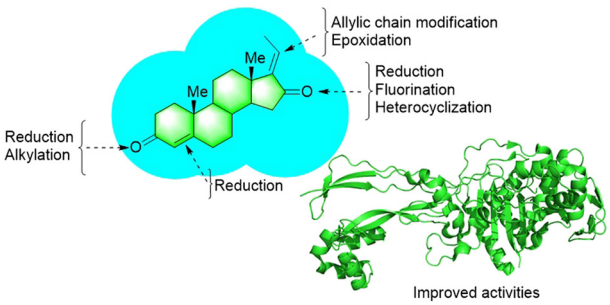
ISSN 2632–8682 CODEN RMCSCX 15(1) 1–368 (2024)



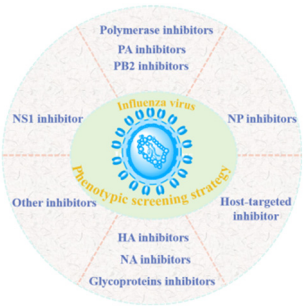
Cover
See Shinya Fujii *et al.*, pp. 119–126.
Image reproduced by permission of Shinya Fujii from *RSC Med. Chem.*, 2024, **15**, 119.

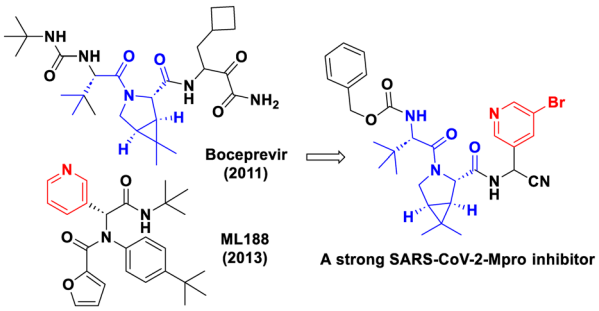
REVIEWS



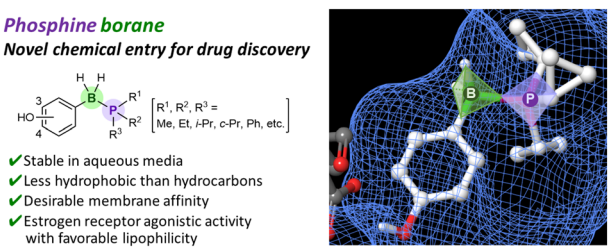


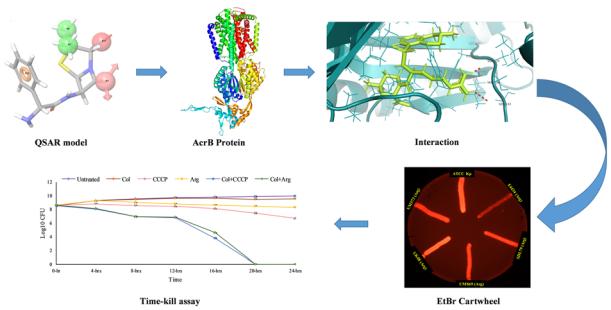
REVIEWS





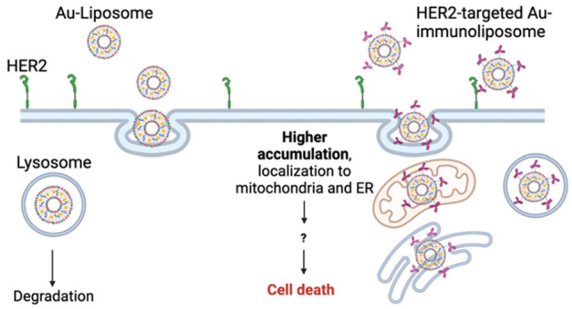
RESEARCH ARTICLES





RESEARCH ARTICLES

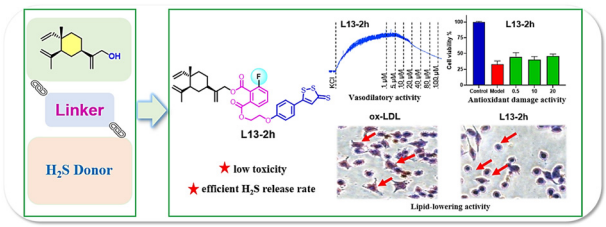
139



Development of immunoliposomes containing cytotoxic gold payloads against HER2-positive breast cancers

Afruja Ahad, Fatima Aftab, Alexa Michel, Jason S. Lewis* and Maria Contel*

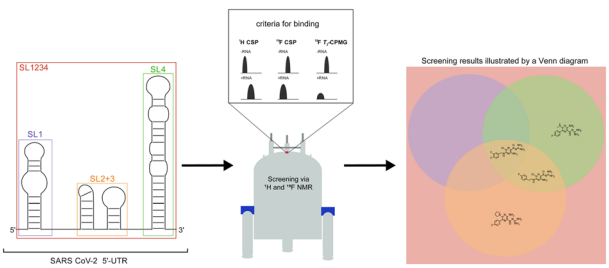
151



Discovery of novel β-elemene hybrids with hydrogen sulfide-releasing moiety possessing cardiovascular protective activity for the treatment of atherosclerosis

Wenjian Zhu, Hongyu Wu, Chen He, Huajian Zhu, Hong Yao, Yun Cao, Yueman Shi, Xiaotong Chen, Xue Feng, Shengtao Xu,* Zheying Zhu and Jinyi Xu*

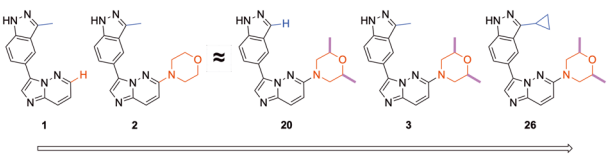
165



NMR ^{1}H,^{19}F-based screening of the four stem-looped structure 5_SL1–SL4 located in the 5′-untranslated region of SARS-CoV 2 RNA

Daniel Hymon, Jason Martins, Christian Richter, Sridhar Sreeramulu, Anna Wacker, Jan Ferner, Neeraj N. Patwardhan, Amanda E. Hargrove and Harald Schwalbe*

178



Discovery of imidazo[1,2-*b*]pyridazine-containing TAK1 kinase inhibitors with excellent activities against multiple myeloma

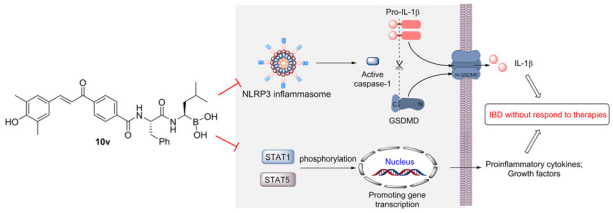
Desmond Akwata, Allison L. Kempen, Jones Lamptey, Neetu Dayal, Nickolas R. Brauer and Herman O. Sintim*

RESEARCH ARTICLES

193

Discovery of a dual-acting inhibitor of interleukin-1β and STATs for the treatment of inflammatory bowel disease

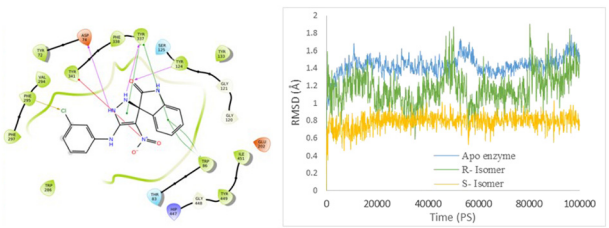
Haowei Cai, Zhuorong Liu, Ping Sun, Yinghua Zhou, Yuyun Yan, Yiming Luo, Xiuxiu Zhang, Ruiwen Wu, Xiangting Liang, Dan Wu, Wenhui Hu* and Zhongjin Yang*



207

Highly efficient, catalyst-free, one-pot sequential four-component synthesis of novel spiroindolinone-pyrazole scaffolds as anti-Alzheimer agents: *in silico* study and biological screening

Hormoz Pourtaher, Yasaman Mohammadi, Alireza Hasaninejad* and Aida Iraji*

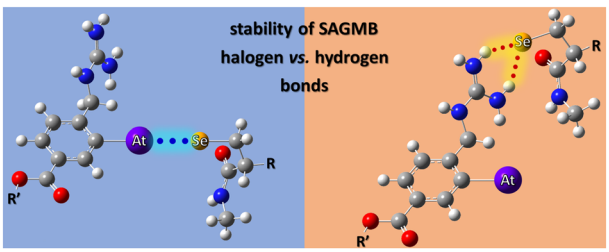


5f
AChE IC_{50}= 6.02 ± 2.59 μM
BChE % inhibition at 50 μM = 13.94 ± 3.68

223

In vivo stability of ^{211}At-radiopharmaceuticals: on the impact of halogen bond formation

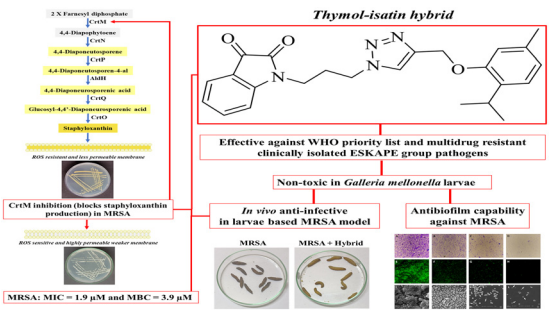
Thibault Yssartier, Lu Liu, Sylvain Pardoue, Jean-Yves Le Questel, François Guérard, Gilles Montavon* and Nicolas Galland*



234

The development of thymol–isatin hybrids as broad-spectrum antibacterial agents with potent anti-MRSA activity

Atamjit Singh,* Kirandeep Kaur, Pallvi Mohana, Karanvir Singh, Aman Sharma, Jignesh Prajapati, Dweipayan Goswami, Neha Khosla, Uttam Kaur, Rajanbir Kaur, Rajinder Kaur, Abhineet Rana, Sandeep Kour, Puja Ohri, Saroj Arora, Renu Chadha and Preet Mohinder Singh Bedi*



RESEARCH ARTICLES

RESEARCH ARTICLES