

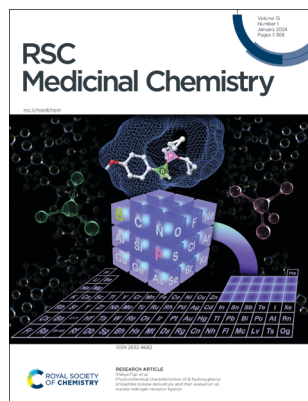
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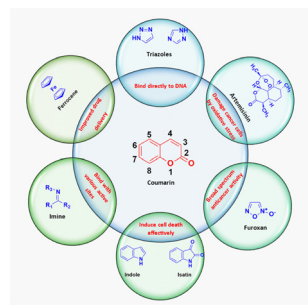
Cover
See Shinya Fujii *et al.*,
pp. 119–126.
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REVIEWS

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Latest developments in coumarin-based anticancer agents: mechanism of action and structure–activity relationship studies

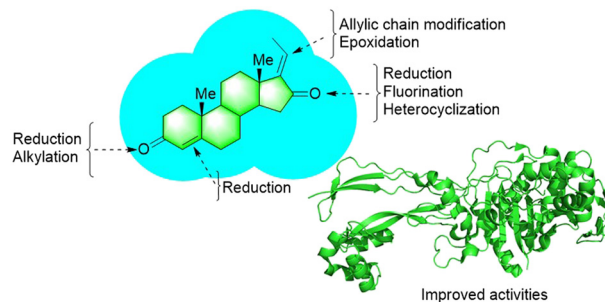
Manankar Koley, Jianlin Han, Vadim A. Soloshonok, Subhajit Mojumder, Ramin Javahershenas and Ata Makarem*



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Guggulsterone – a potent bioactive phytosteroid: synthesis, structural modification, and its improved bioactivities

T. P. Adarsh Krishna,* T. P. Ajeesh Krishna, Baldev Edachery and S. Antony Ceasar



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REVIEWS

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Recent advances of phenotypic screening strategies in the application of anti-influenza virus drug discovery

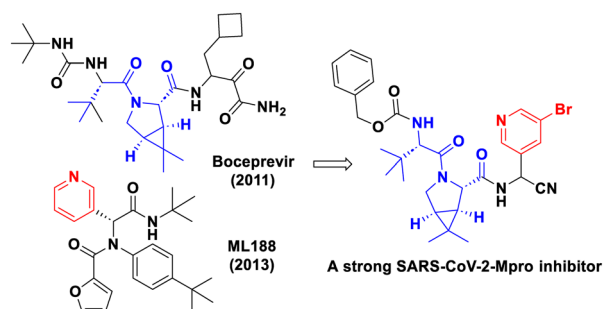
Huinan Jia, Lide Hu, Jiwei Zhang, Xing Huang, Yuanmin Jiang, Guanyu Dong, Chuanfeng Liu,* Xinyong Liu,* Meehyein Kim* and Peng Zhan*



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On the origins of SARS-CoV-2 main protease inhibitors

Yves L. Janin



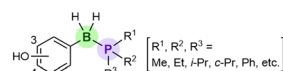
RESEARCH ARTICLES

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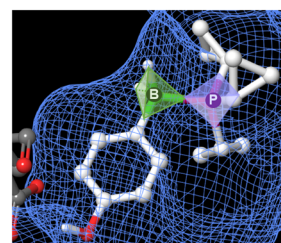
Physicochemical characterization of *B*-hydroxyphenyl phosphine borane derivatives and their evaluation as nuclear estrogen receptor ligands

Yu Miyajima, Tomomi Noguchi-Yachide, Kotaro Ochiai and Shinya Fujii*

Phosphine borane Novel chemical entry for drug discovery



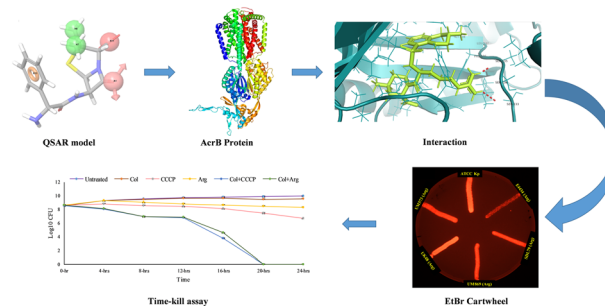
- ✓ Stable in aqueous media
- ✓ Less hydrophobic than hydrocarbons
- ✓ Desirable membrane affinity
- ✓ Estrogen receptor agonistic activity with favorable lipophilicity



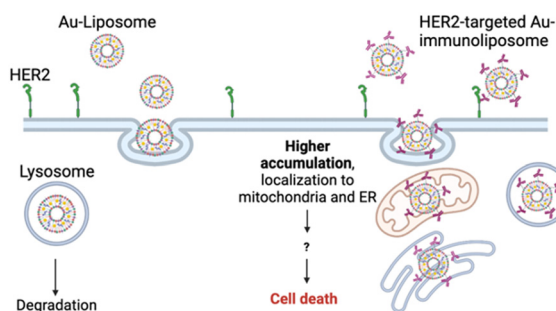
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Development of pharmacophore models for AcrB protein and the identification of potential adjuvant candidates for overcoming efflux-mediated colistin resistance

Dibyajyoti Uttameswar Behera, Mahendra Gaur, Maheswata Sahoo, Enketeswara Subudhi* and Bharat Bhusan Subudhi*



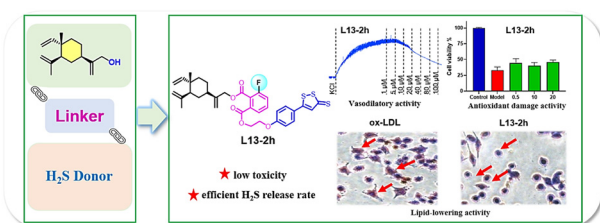
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Development of immunoliposomes containing cytotoxic gold payloads against HER2-positive breast cancers

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

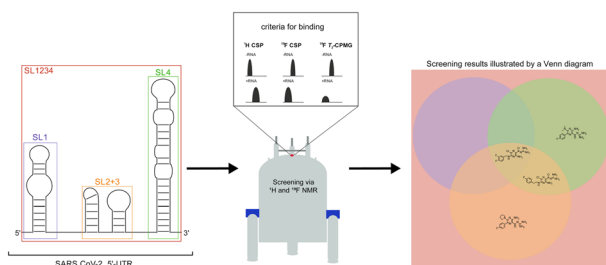
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Discovery of novel β -elemene hybrids with hydrogen sulfide-releasing moiety possessing cardiovascular protective activity for the treatment of atherosclerosis

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

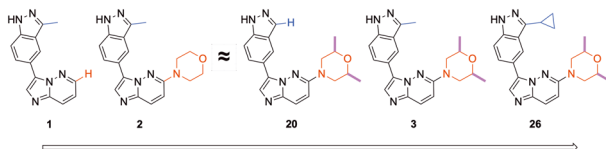
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NMR ^1H , ^{19}F -based screening of the four stem-looped structure 5_SL1-SL4 located in the 5'-untranslated region of SARS-CoV 2 RNA

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

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

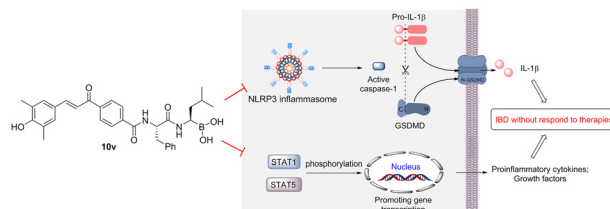
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Discovery of a dual-acting inhibitor of interleukin-1 β and STATs for the treatment of inflammatory bowel disease

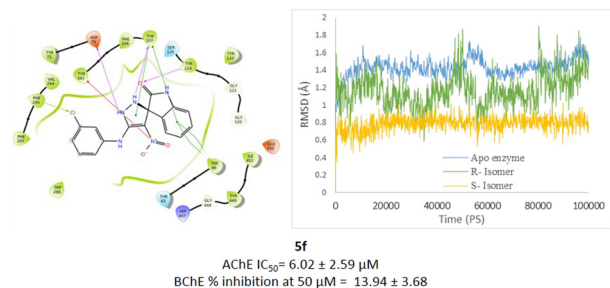
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Highly efficient, catalyst-free, one-pot sequential four-component synthesis of novel spiroindolinone-pyrazole scaffolds as anti-Alzheimer agents: *in silico* study and biological screening

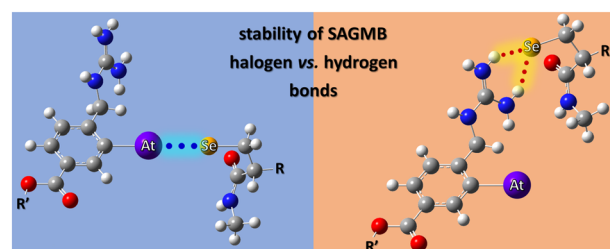
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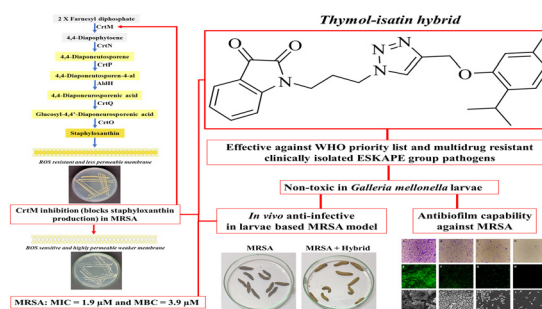
Thibault Yssartier, Lu Liu, Sylvain Pardoue, Jean-Yves Le Questel, François Guérard, Gilles Montavon* and Nicolas Galland*



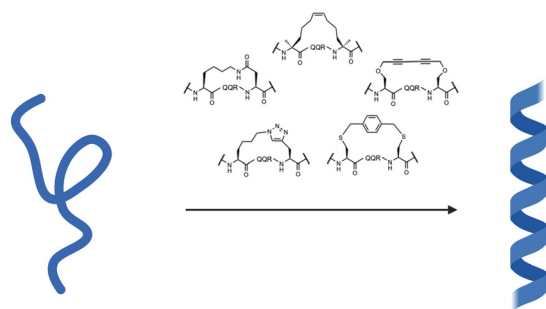
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The development of thymol-isatin hybrids as broad-spectrum antibacterial agents with potent anti-MRSA activity

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*



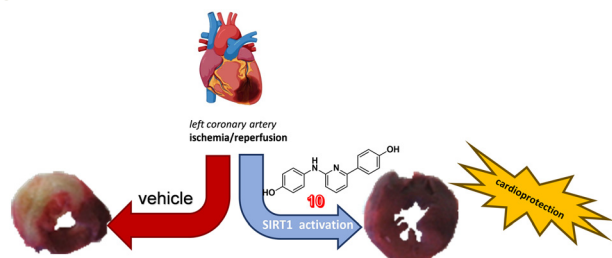
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A survey of stapling methods to increase affinity, activity, and stability of ghrelin analogues

Juan J. Esteban, Julia R. Mason, Jakob Kaminski, Rithwik Ramachandran and Leonard G. Luyt*

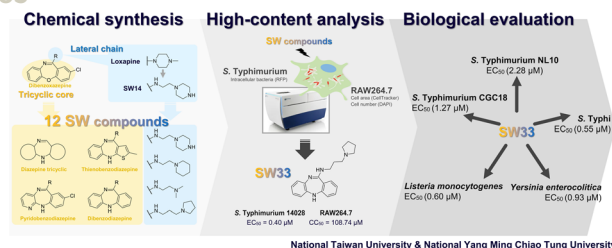
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Giulia Bononi, Valentina Citi, Alma Martelli, Giulio Poli, Tiziano Tuccinardi, Carlotta Granchi,* Lara Testai,* Vincenzo Calderone and Filippo Minutolo

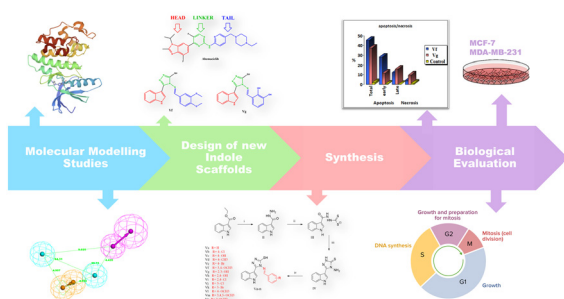
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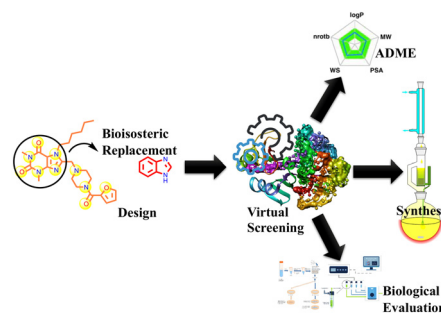
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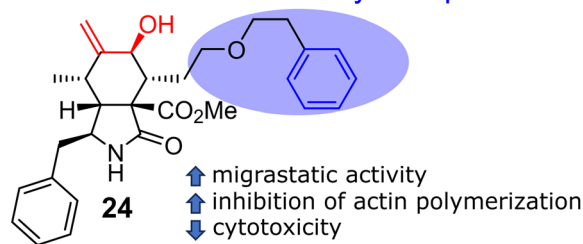


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Synthesis and migrastatic activity of cytochalasin analogues lacking a macrocyclic moiety

Bedřich Formánek, Dorian Dupommier, Tereza Volfová, Silvie Rimpelová, Aneta Škarková, Jana Herciková, Daniel Rösel, Jan Brábek and Pavla Perlíková*

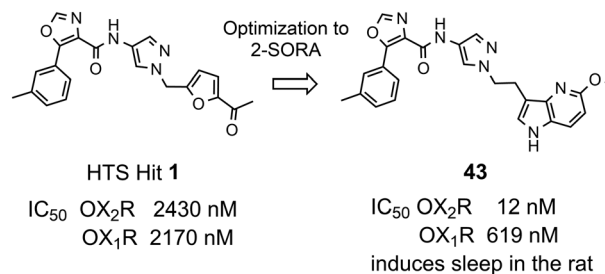
core modifications macrocycle replacement



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Pyrazole derivatives as selective orexin-2 receptor antagonists (2-SORA): synthesis, structure–activity–relationship, and sleep-promoting properties in rats

Christine Brotschi,* Martin H. Bolli,* John Gatfield, Catherine Roch, Thierry Sifferlen, Alexander Treiber, Jodi T. Williams and Christoph Boss



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Impact of dipeptide on ADC physicochemical properties and efficacy identifies Ala–Ala as the optimal dipeptide

Lu Wang,* Adrian D. Hobson, Julia Fitzgibbons, Axel Hernandez Jr., Ying Jia, Zhou Xu, Zhongyuan Wang, Yajie Yu and Xiang Li

