

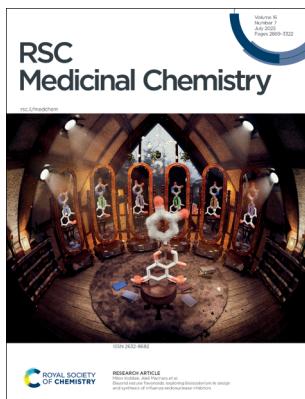
# RSC Medicinal Chemistry

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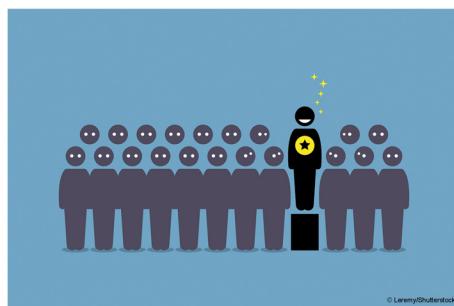
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Aleš Machara et al.,  
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in 2024

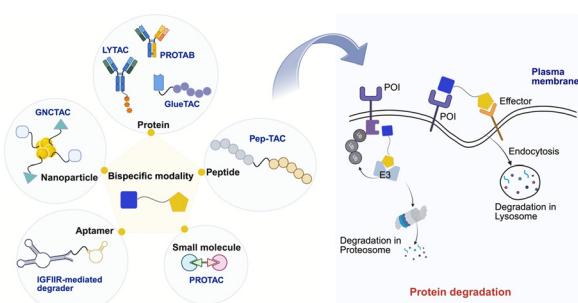


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Proximity-induced membrane protein degradation  
for cancer therapies

Dingpeng Zhang, Zhen Wang, Hiroyuki Inuzuka  
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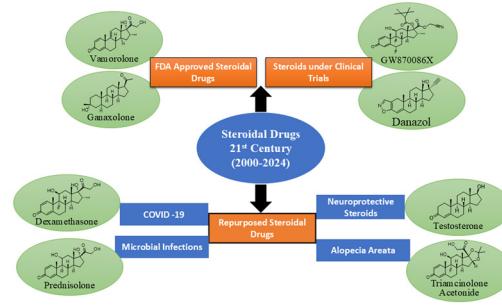


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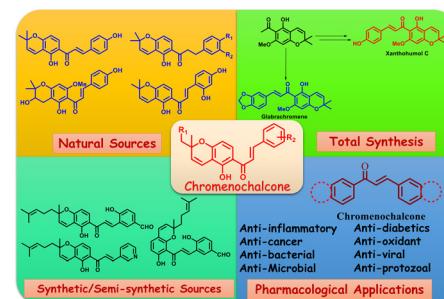
Ranjit Singh and Ranju Bansal\*



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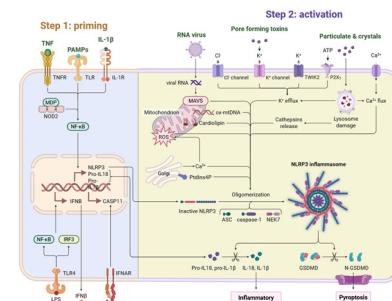
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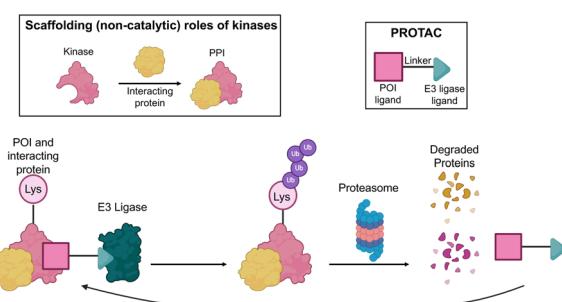
Desh Deepak Singh



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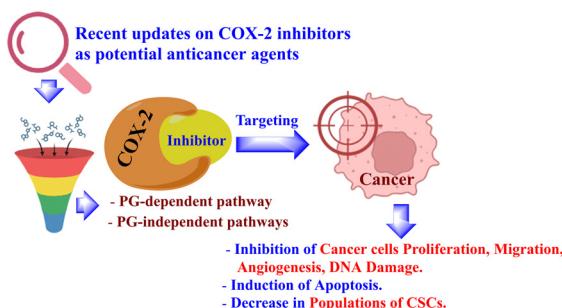
## Razing the scaffolding: the elimination of non-catalytic functions of kinases through targeted protein degradation

Sarah Pogash and Steven Fletcher\*



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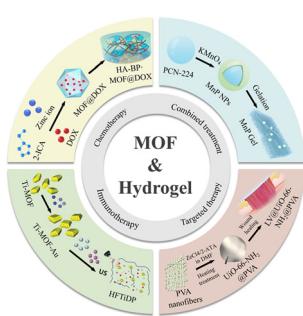
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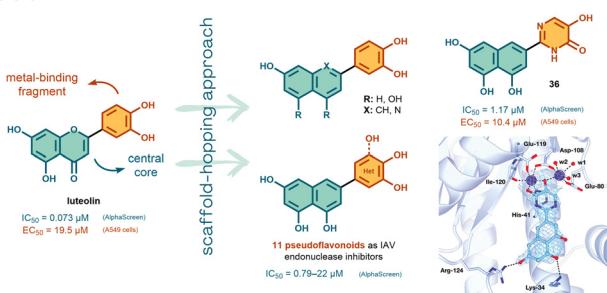


## Research prospects and AI-driven strategies for metal–organic framework–hydrogel composite materials in cancer treatment

Zijun Zhang, Yuelin Zhang, Taiwei Liang, Jiajia Zhang, Weidong Liu,\* Ying Pan,\* Jianqiang Liu and Xiaoxiu Li\*

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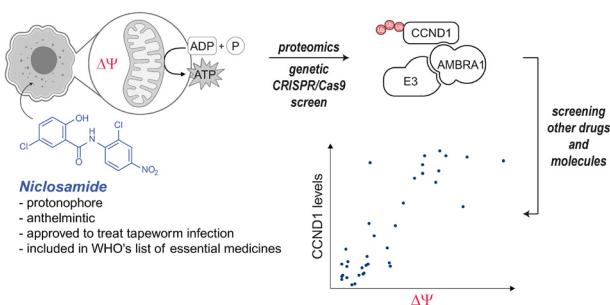
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## Beyond natural flavonoids: exploring bioisosterism in design and synthesis of influenza endonuclease inhibitors

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Niclosamide: CRL4<sup>AMBRA1</sup> mediated degradation of cyclin D1 following mitochondrial membrane depolarization

Seemon Coomar, Jessica A. Gasser, Mikołaj Ślabicki, Katherine A. Donovan, Eric S. Fischer, Benjamin L. Ebert, Dennis Gillingham and Nicolas H. Thomä\*

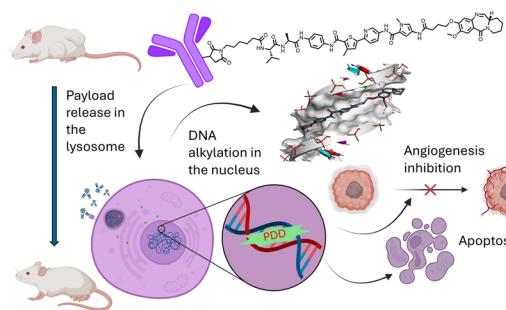


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## A novel DNA sequence-selective, guanine mono-alkylating ADC payload suitable for solid tumour treatment

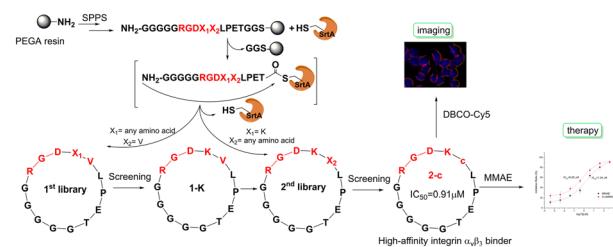
Paolo Andriollo, Daniella di Mascio, Paul J. M. Jackson, Md. Mahbub Hasan, Ilona Pysz-Hosey, George Procopiou, Keith R. Fox, Khondaker Miraz Rahman\* and David E. Thurston



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## Macrocyclic RGD-peptides with high selectivity for $\alpha_v\beta_3$ integrin in cancer imaging and therapy

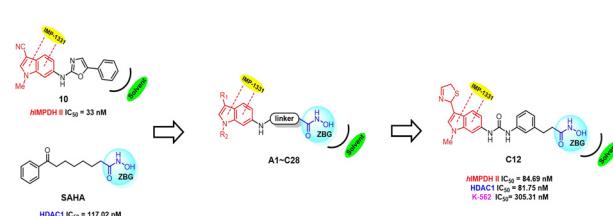
Xiaozhong Cheng, Chen Li, Haofei Hong, Zhifang Zhou and Zhimeng Wu\*



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## Design, synthesis and antitumor activity evaluation of novel IMPDH II and HDAC1 dual inhibitor

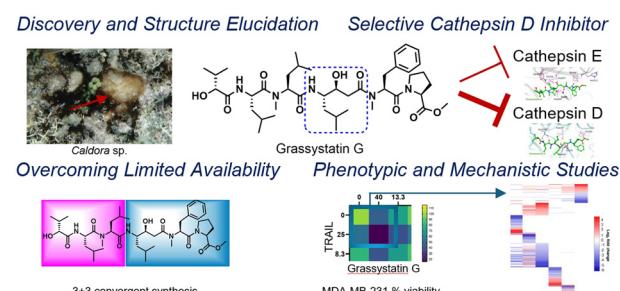
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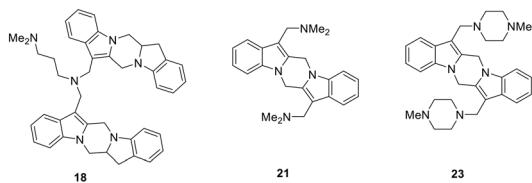
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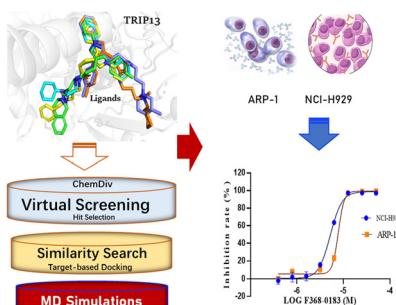


| Cpd | $IC_{50}$ [μM] |      |                     |
|-----|----------------|------|---------------------|
|     | 3D7            | Dd2  | Cytotoxicity J774.1 |
| 18  | 0.44           | 1.02 | 13.1                |
| 21  | 0.49           | 1.55 | 43.7                |
| 23  | 0.36           | 0.80 | 7.1                 |

### Synthesis and antiplasmodial activity of 6*H*,13*H*-pyrazino[1,2-*a*;4,5-*a'*]diindole analogues substituted with basic side chains

Darius P. Zlotos,\* Siegrid Franke, Che J. Ngwa, Timo Reiss, Joshua Weinmann, Gabriele Pradel, Jude M. Przyborski and Ulrike Holzgrabe

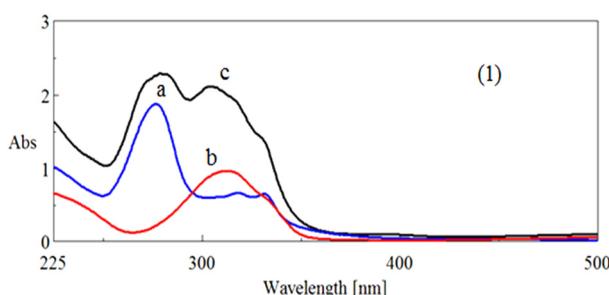
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### Discovery of novel antimyeloma agents targeting TRIP13 by molecular modeling and bioassay

Samuel Jacob Bunu, Haiyan Cai,\* Zhaoyin Zhou, Yanlei Zhang, Yue Lai, Guanli Wang, Dongliang Song, Chengkun Wu, Hang Zheng, Zhijian Xu,\* Jumei Shi\* and Weiliang Zhu\*

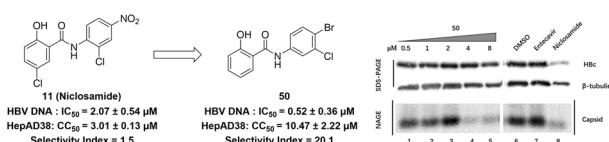
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### Synthesis, characterization, and toxicity evaluation of ciprofloxacin-chloranilic acid charge transfer complexes: potential for anticancer applications

Mahmoud M. Ali, Muhammad Alaa Eldeen, Mohamed E. El Awady, Ahmed A. Hamed, Heba A. H. Abd Elhameed, Amira Awadalla, Mohamed Alshehri, Hassan M. Otifi, Dalal Sulaiman Alshaya, Eman Fayad, Dalal Nasser Binjawhar and Mohamed Ali\*

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### Salicylamide derivatives as potent HBV inhibitors: insights into structure–activity relationships

Jingwen Huo, Jizhen Xiao, Yushi Zhang, Xinhui Qiu, Xuechen Huang, Ge Wang, Jianhao Wang, Kuancheng Liu\* and Jimin Xu\*

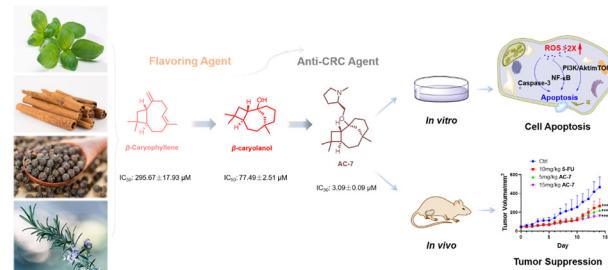


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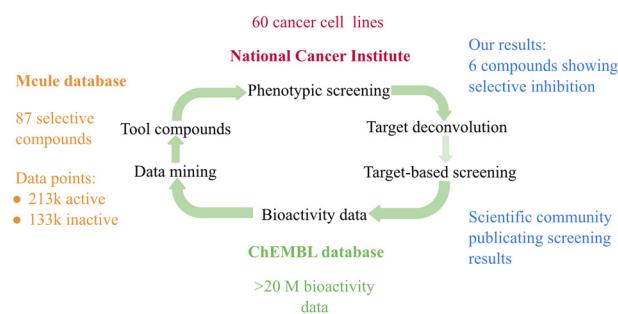
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**A data-driven journey using results from target-based drug discovery for target deconvolution in phenotypic screening**

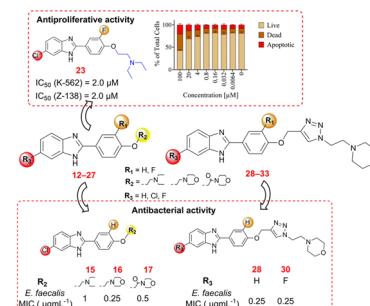
Gergely Takács, György T. Balogh\* and Róbert Kiss\*



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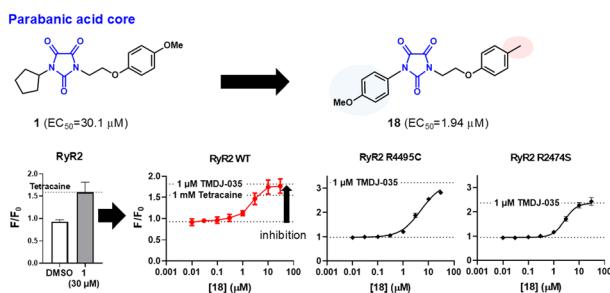
**Organoselenium compounds as an enriched source for the discovery of new antimicrobial agents**

Louise I. M. Friberg,\* Angela Kavanagh, Maite Amado, Gabrielle Lowe, Johannes Zuegg, Michelle Novais de Paula, Abdulmujeeb Onawole, Holly E. E. Floyd, Angelina N. Kravchenko, Davy Guan, Alysha G. Elliott, Julia Kuchar, Fabian Mohr, Olga Luzina, Nariman Salakhutdinov, Konstantin Volcho, Hafiz S. U. B. Farrukh, Umme Kalsoom, Rahman S. Z. Saleem, Joanne Blanchfield, Mark A. T. Blaskovich\* and Karl A. Hansford



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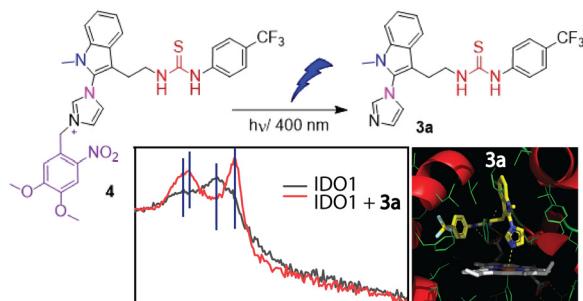
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### Development of selective RyR2 inhibitors with a pharmacophore containing a parabanic acid skeleton

Ryosuke Ishida, Xi Zeng, Nagomi Kurebayashi, Takashi Murayama, Shuichi Mori, Yuga Yamamoto and Hiroyuki Kagechika\*

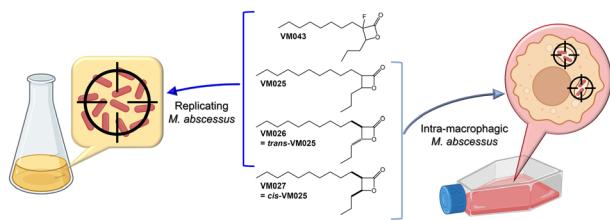
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### Photoresponsive prodrug for regulated inhibition of indoleamine 2,3-dioxygenase 1 enzyme activity

Niku Moni Das, Biswa Mohan Prusty, Adyasa Sahoo, Priyanka Mazumder, Suravi Chauhan, Gunanka Hazarika, Sachin Kumar, Debdas Dhabal\* and Debasis Manna\*

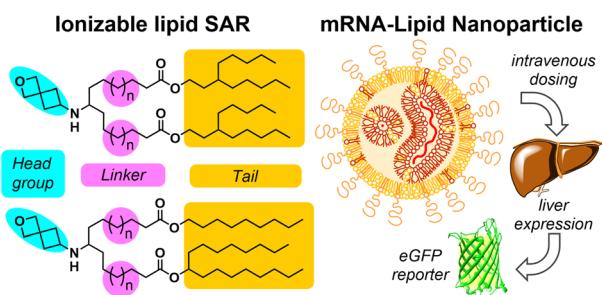
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Eric L. Dane,\* Aditya R. Pote, Martin Hemmerling, Werngard Czechitzky, Liping Zhou and Annette Bak

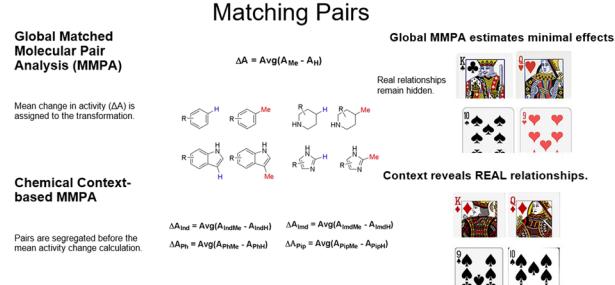


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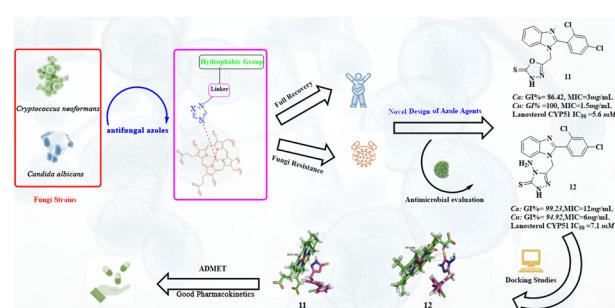
Janvi A. Raut and Vaibhav A. Dixit\*



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**Novel benzimidazole hybrids: design, synthesis, mechanistic studies, antifungal potential and molecular dynamics**

Ahmed A. Ibrahim, Eman G. Said, Asmaa M. AboulMagd,\* Noha H. Amin and Hamdy M. Abdel-Rahman\*



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