

IN THIS ISSUE

ISSN 2633-0679 CODEN RCBSAO 5(8) 705–804 (2024)



Cover

See Tamás A. Martinek, Zsófia Hegedüs et al., pp. 711–720.
Image reproduced by permission of Hajnal Tóth from *RSC Chem. Biol.*, 2024, 5, 711.



Inside cover

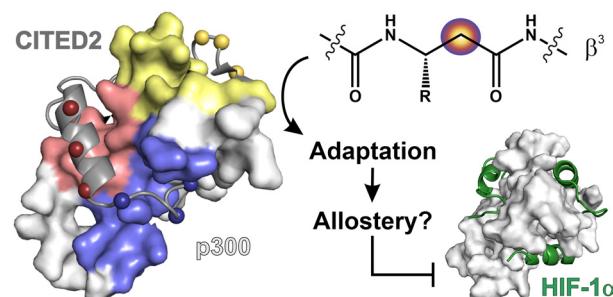
See Kohei Tsuji, Terrence R. Burke et al., pp. 721–728.
Image reproduced by permission of Scientific Publications, Graphics and Media, Frederick National Laboratory for Cancer Research from *RSC Chem. Biol.*, 2024, 5, 721.

PAPERS

711

Site-directed allostery perturbation to probe the negative regulation of hypoxia inducible factor-1 α

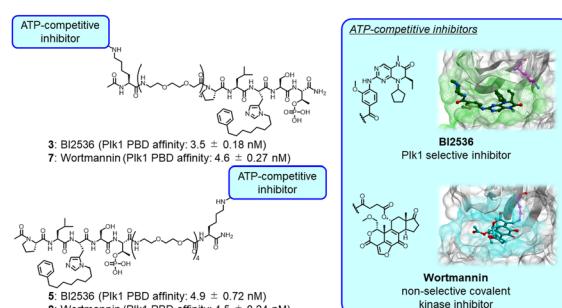
Vencel L. Petrovicz, István Pasztuhov, Tamás A. Martinek* and Zsófia Hegedüs*



721

Affinity enhancement of polo-like kinase 1 polo box domain-binding ligands by a bivalent approach using a covalent kinase-binding component

Kohei Tsuji,* Hirokazu Tamamura and Terrence R. Burke Jr.*



Environmental Science journals

One impactful portfolio for
every exceptional mind

Harnessing the power of interdisciplinary
science to preserve our environment

rsc.li/envsci

Fundamental questions
Elemental answers



Registered charity number: 207890

PAPERS

729

Seleno-relaxin analogues: effect of internal and external diselenide bonds on the foldability and a fibrosis-related factor of endometriotic stromal cells

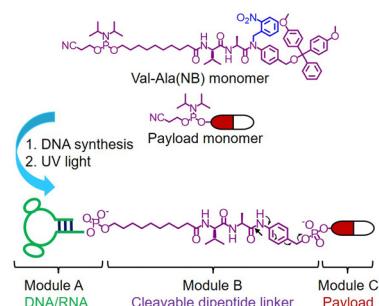
Yuri Satoh, Yosuke Ono, Rikana Takahashi, Hidekazu Katayama, Michio Iwaoka, Osamu Yoshino and Kenta Arai*



738

Modular and automated synthesis of oligonucleotide-small molecule conjugates for cathepsin B mediated traceless release of payloads

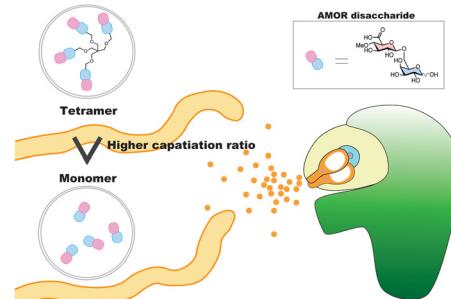
Cheng Jin,* Siqi Li, Katherine A. Vallis, Afaf H. El-Sagheer and Tom Brown*



745

Cluster effect through the oligomerisation of bioactive disaccharide AMOR on pollen tube capacitation in *Torenia fournieri*

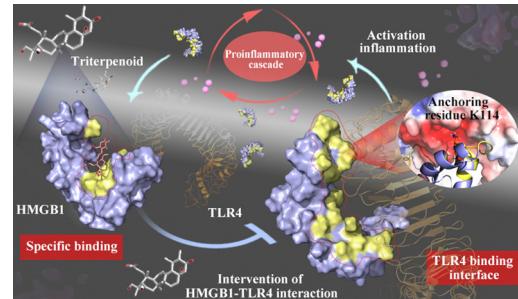
Akane G. Mizukami,* Shuhei Kusano, Kumi Matsuura-Tokita, Shinya Hagiwara and Tetsuya Higashiyama*



751

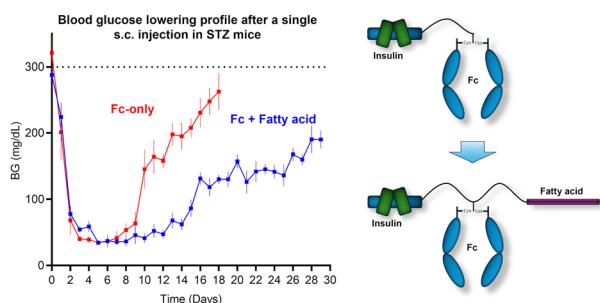
Natural triterpenoid-aided identification of the druggable interface of HMGB1 occupied by TLR4

Pingping Shen, Xuewa Jiang, Yi Kuang, Weiwei Wang, Richa Raj, Wei Wang, Yuyuan Zhu, Xiaochun Zhang, Boyang Yu and Jian Zhang*



PAPERS

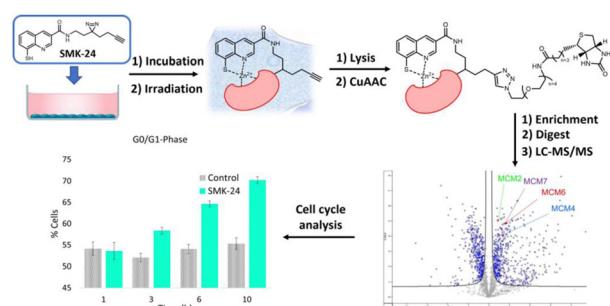
763



Toward once-monthly insulin therapy *via* synergy in two pharmacokinetic protractors: Fc-conjugation and fatty acid acylation

Alexander N. Zaykov,* Vasily M. Gelfanov, Tina M. Tagmose, Damien Demozay, Valentina Manfè, Rebecca Rohlfs, Marita Rivir, Diego Perez-Tilve, Brian Finan and Richard D. DiMarchi

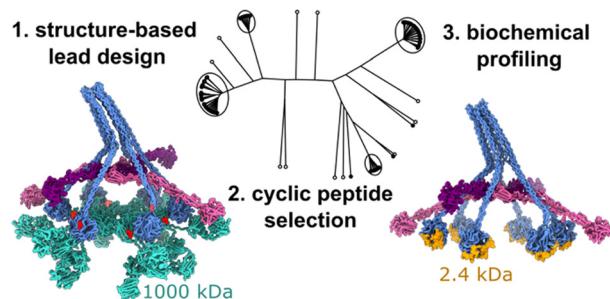
776



Probing the metalloproteome: an 8-mercaptoquinoline motif enriches minichromosome maintenance complex components as significant metalloprotein targets in live cells

Sean M. McKenna, Bogdan I. Florea, Daniela M. Zisterer, Sander I. van Kasteren and Joanna F. McGouran*

787



Selection and characterization of a peptide-based complement modulator targeting C1 of the innate immune system

Sebastiaan M.W.R. Hamers, Leoni Abendstein, Aimee L. Boyle, Seino A.K. Jongkees* and Thomas H. Sharp*

CORRECTION

800

Correction: Virtual screening, identification and *in vitro* validation of small molecule GDP-mannose dehydrogenase inhibitors

Jonathan P. Dolan, Sanaz Ahmadipour, Alice J. C. Wahart, Aisling Ni Cheallaigh, Suat Sari, Chatchakorn Eurtivong, Marcelo A. Lima, Mark A. Skidmore, Konstantin P. Volcho, Jóhannes Reynisson, Robert A. Field and Gavin J. Miller*

