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Monitoring drug target engagement in cells and tissues using the cellular thermal shift assay

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1193	Discovery of the First Potent and Selective Inhibitors of Human dCTP Pyrophosphatase 1.		
1192	A method to measure target engagement in cells. <b>2013</b> , 12, 666-666		
1191	A bidirectional system for the dynamic small molecule control of intracellular fusion proteins. <b>2013</b> , 8, 2293-2300		27
1190	Thermal responsive micelles for dual tumor-targeting imaging and therapy. <b>2013</b> , 5, 12409-24		24
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987 986	Recent advances (2015-2016) in anticancer hybrids. <b>2017</b> , 142, 179-212  Drug discovery and development for rare genetic disorders. <b>2017</b> , 173, 2307-2322	131 41
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986	Drug discovery and development for rare genetic disorders. <b>2017</b> , 173, 2307-2322  Peptidomimetic inhibitors of APC-Asef interaction block colorectal cancer migration. <b>2017</b> , 13, 994-1001  Highly Selective Activation of Heat Shock Protein 70 by Allosteric Regulation Provides an Insight	41 62
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805	A Semi-Quantitative Drug Affinity Responsive Target Stability (DARTS) assay for studying Rapamycin/mTOR interaction. <b>2019</b> ,	1
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625	Aliphatic Group-Tethered Iridium Complex as a Theranostic Agent against Malignant Melanoma Metastasis <b>2020</b> , 3, 2017-2027	7
624	Quantifying Target Occupancy of Small Molecules Within Living Cells. <b>2020</b> , 89, 557-581	20
623	Selective covalent targeting of GPX4 using masked nitrile-oxide electrophiles. <b>2020</b> , 16, 497-506	76
622	A Highly Potent TACC3 Inhibitor as a Novel Anticancer Drug Candidate. <b>2020</b> , 19, 1243-1254	6
621	Selection of Heating Temperatures Improves the Sensitivity of the Proteome Integral Solubility Alteration Assay. <b>2020</b> , 19, 2159-2166	8
620	A caged E3 ligase ligand for PROTAC-mediated protein degradation with light. <b>2020</b> , 56, 5532-5535	36
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616	A Practical Perspective on the Roles of Solution NMR Spectroscopy in Drug Discovery. <b>2020</b> , 25,	8
615	Structural Insights into Pseudokinase Domains of Receptor Tyrosine Kinases. <b>2020</b> , 79, 390-405.e7	30
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613	A Simplified Thermal Proteome Profiling Approach to Screen Protein Targets of a Ligand. <b>2020</b> , 20, e1900372	4
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611	Costunolide Plays an Anti-Neuroinflammation Role in Lipopolysaccharide-Induced BV2 Microglial Activation by Targeting Cyclin-Dependent Kinase 2. <b>2020</b> , 25,	6
610	Apoptosome-dependent myotube formation involves activation of caspase-3 in differentiating myoblasts. <b>2020</b> , 11, 308	12
609	Theory and applications of differential scanning fluorimetry in early-stage drug discovery. <b>2020</b> , 12, 85-104	46
608	Regulation of 8-Hydroxydaidzein in IRF3-Mediated Gene Expression in LPS-Stimulated Murine Macrophages. <b>2020</b> , 10,	4
607	Cellular thermal shift analysis for interrogation of CRISPR-assisted proteomic changes. <b>2020</b> , 68, 180-184	3
606	Interactions of Destruxin A with Silkworms' Arginine tRNA Synthetase and Lamin-C Proteins. <b>2020</b> , 12,	3
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604	Compound-based Chinese medicine formula: From discovery to compatibility mechanism. <b>2020</b> , 254, 112687	24
603	Evolution of a 4-Benzyloxy-benzylamino Chemotype to Provide Efficacious, Potent, and Isoform Selective PPAR Agonists as Leads for Retinal Disorders. <b>2020</b> , 63, 2854-2876	5
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601	Kushenol E inhibits autophagy and impairs lysosomal positioning via VCP/p97 inhibition. <b>2020</b> , 175, 113861	4

600	Cepharanthine hydrochloride induces mitophagy targeting GPR30 in hepatocellular carcinoma (HCC). <b>2020</b> , 24, 389-402	3
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595	Cellular Target Engagement Approaches to Monitor Epigenetic Reader Domain Interactions. <b>2020</b> , 25, 163-175	5
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591	Applied Biophysical Methods in Fragment-Based Drug Discovery. <b>2020</b> , 25, 471-490	6
590	Thermal proteome profiling for interrogating protein interactions. <b>2020</b> , 16, e9232	53
589	Ribociclib mitigates cisplatin-associated kidney injury through retinoblastoma-1 dependent mechanisms. <b>2020</b> , 177, 113939	6
588	Discovery of cyclic guanidine-linked sulfonamides as inhibitors of LMTK3 kinase. <b>2020</b> , 30, 127108	2
587	Characterization of Specific - Acetyltransferase 50 (Naa50) Inhibitors Identified Using a DNA Encoded Library. <b>2020</b> , 11, 1175-1184	13
586	Meltome atlas-thermal proteome stability across the tree of life. <b>2020</b> , 17, 495-503	53
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583	Cellular thermal shift assay for the identification of drug-target interactions in the Plasmodium falciparum proteome. <b>2020</b> , 15, 1881-1921	27

582	Targeting the interaction between RNA-binding protein HuR and FOXQ1 suppresses breast cancer invasion and metastasis. <b>2020</b> , 3, 193	24
581	In Situ Study of the Drug-Target Protein Interaction in Single Living Cells by Combining Fluorescence Correlation Spectroscopy with Affinity Probes. <b>2020</b> , 92, 7020-7027	6
580	Proteome-scale studies of protein stability. <b>2020</b> , 71-90	О
579	Antiviral activity of lycorine against Zika virus in vivo and in vitro. <b>2020</b> , 546, 88-97	29
578	Beclin 1-ATG14L Protein-Protein Interaction Inhibitor Selectively Inhibits Autophagy through Disruption of VPS34 Complex I. <b>2020</b> , 142, 8174-8182	14
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574	Discovery of novel pyrazoline derivatives containing methyl-1H-indole moiety as potential inhibitors for blocking APC-Asef interactions. <b>2020</b> , 99, 103838	3
573	Mutation of a single amino acid of pregnane X receptor switches an antagonist to agonist by altering AF-2 helix positioning. <b>2021</b> , 78, 317-335	11
572	Drug target discovery by magnetic nanoparticles coupled mass spectrometry. <b>2021</b> , 11, 122-127	3
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57°	Advances and Opportunities in Epigenetic Chemical Biology. <b>2021</b> , 22, 17-42	5
569	Exposure-response analysis of Raltitrexed assessing liver toxicity. <b>2021</b> , 87, 1327-1337	1
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567	Modulating Androgen Receptor-Driven Transcription in Prostate Cancer with Selective CDK9 Inhibitors. <b>2021</b> , 28, 134-147.e14	13
566	Plant Chemical Genomics. <b>2021</b> ,	
565	Review of NEDDylation inhibition activity detection methods. <b>2021</b> , 29, 115875	2

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563	CETSA MS Profiling for a Comparative Assessment of FDA-Approved Antivirals Repurposed for COVID-19 Therapy Identifies TRIP13 as a Remdesivir Off-Target. <b>2021</b> , 26, 336-344	6
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558	Deciphering Human Microbiota-Host Chemical Interactions. <b>2021</b> , 7, 20-29	3
557	Hypomorph mutation-directed small-molecule protein-protein interaction inducers to restore mutant SMAD4-suppressed TGF-∄signaling. <b>2021</b> , 28, 636-647.e5	5
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555	Thermal Proteome Profiling in Zebrafish Reveals Effects of Napabucasin on Retinoic Acid Metabolism. <b>2021</b> , 20, 100033	3
554	Characterization of Apo-Form Selective Inhibition of Indoleamine 2,3-Dioxygenase*. 2021, 22, 516-522	10
553	profiling and structural insights into the impact of nSNPs in the gene to understand the mechanism of drug resistance in malaria. <b>2021</b> , 39, 558-569	2
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550	High-Throughput Detection of Ligand-Protein Binding Using a SplitLuc Cellular Thermal Shift Assay. <b>2021</b> , 2365, 21-41	2
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541	A Tale of Two Tails: Efficient Profiling of Protein Degraders by Specific Functional and Target Engagement Readouts. <b>2021</b> , 26, 534-546	7
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525	Exploiting Allosteric Properties of RAF and MEK Inhibitors to Target Therapy-Resistant Tumors Driven by Oncogenic BRAF Signaling. <b>2021</b> , 11, 1716-1735	6
524	Dutomycin Induces Autophagy and Apoptosis by Targeting the Serine Protease Inhibitor SERPINB6. <b>2021</b> , 16, 360-370	1
523	Structural Robustness Affects the Engineerability of Aminoacyl-tRNA Synthetases for Genetic Code Expansion. <b>2021</b> , 60, 489-493	6
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521	System-wide identification and prioritization of enzyme substrates by thermal analysis. <b>2021</b> , 12, 1296	16
520	Hidden information on protein function in censuses of proteome foldedness.	О
519	Recent advances in proteome-wide label-free target deconvolution for bioactive small molecules. <b>2021</b> , 41, 2893-2926	1
518	Interaction of Plasmodium falciparum apicortin with ⊞and ⊞tubulin is critical for parasite growth and survival. <b>2021</b> , 11, 4688	3
517	PNSA, a Novel C-Terminal Inhibitor of HSP90, Reverses Epithelial-Mesenchymal Transition and Suppresses Metastasis of Breast Cancer Cells In Vitro. <b>2021</b> , 19,	1
516	Regulation and targeting of androgen receptor nuclear localization in castration-resistant prostate cancer. <b>2021</b> , 131,	9
515	Design and Synthesis of EZH2-Based PROTACs to Degrade the PRC2 Complex for Targeting the Noncatalytic Activity of EZH2. <b>2021</b> , 64, 2829-2848	27
514	Affinity-based protein profiling to reveal targets of puerarin involved in its protective effect on cardiomyocytes. <b>2021</b> , 134, 111160	1
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511	Metabolomics and Docking-Directed Discovery of Small-Molecule Enzyme Targets. <b>2021</b> , 93, 3072-3081	6

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508	Modeling Pharmacokinetics and Pharmacodynamics of Therapeutic Antibodies: Progress, Challenges, and Future Directions. <b>2021</b> , 13,	2
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505	The use of the cellular thermal shift assay for the detection of intracellular beta-site amyloid precursor protein cleaving enzyme-1 ligand binding. <b>2021</b> , 48, 2957-2962	2
504	Discovery of selective BPTF bromodomain inhibitors by screening and structure-based optimization. <b>2021</b> , 545, 125-131	2
503	Extracellular vesicle drug occupancy enables real-time monitoring of targeted cancer therapy. <b>2021</b> , 16, 734-742	19
502	A 2-Benzylmalonate Derivative as STAT3 Inhibitor Suppresses Tumor Growth in Hepatocellular Carcinoma by Upregulating 骨TrCP E3 Ubiquitin Ligase. <b>2021</b> , 22,	2
501	Identification of Small-Molecule Inhibitors of Human Inositol Hexakisphosphate Kinases by High-Throughput Screening. <b>2021</b> , 4, 780-789	6
500	Distinct CDK6 complexes determine tumor cell response to CDK4/6 inhibitors and degraders. <b>2021</b> , 2, 429-443	9
499	Phenotypic screening with target identification and validation in the discovery and development of E3 ligase modulators. <b>2021</b> , 28, 283-299	4
498	Studying protein folding in health and disease using biophysical approaches. <b>2021</b> , 5, 29-38	1
497	Chemoproteomic-enabled phenotypic screening. <b>2021</b> , 28, 371-393	7
496	Recent advances in identifying protein targets in drug discovery. <b>2021</b> , 28, 394-423	17
495	Progress of tubulin polymerization activity detection methods. <b>2021</b> , 37, 127698	9
494	In vivo structural characterization of the SARS-CoV-2 RNA genome identifies host proteins vulnerable to repurposed drugs. <b>2021</b> , 184, 1865-1883.e20	61
493	Targeting ubiquitin conjugating enzyme UbcH5b by a triterpenoid PC3-15 from Schisandra plants sensitizes triple-negative breast cancer cells to lapatinib. <b>2021</b> , 504, 125-136	4

492	Development of Small Molecule Inhibitors Targeting PBX1 Transcription Signaling as a Novel Cancer Therapeutic Strategy.	O
491	Discovery of a covalent inhibitor of heat shock protein 90 with antitumor activity that blocks the co-chaperone binding via C-terminal modification. <b>2021</b> , 28, 1446-1459.e6	О
490	Novel Small Molecule Glucagon-Like Peptide-1 Receptor Agonist S6 Stimulates Insulin Secretion From Rat Islets. <b>2021</b> , 12, 664802	
489	Atractylenolide I enhances responsiveness to immune checkpoint blockade therapy by activating tumor antigen presentation. <b>2021</b> , 131,	8
488	Progress toward B-Cell Lymphoma 6 BTB Domain Inhibitors for the Treatment of Diffuse Large B-Cell Lymphoma and Beyond. <b>2021</b> , 64, 4333-4358	6
487	Design, Synthesis, and Structural Characterization of Lysine Covalent BH3 Peptides Targeting Mcl-1. <b>2021</b> , 64, 4903-4912	5
486	Tubeimoside-1 induces TFEB-dependent lysosomal degradation of PD-L1 and promotes antitumor immunity by targeting mTOR. <b>2021</b> , 11, 3134-3149	1
485	2010 to 2020: Ten Years of Malaria Drug Discovery. 1-38	
484	Identification and characterization of a novel mutant isocitrate dehydrogenase 1 inhibitor for glioma treatment. <b>2021</b> , 551, 38-45	1
483	Administration of isoliquiritigenin prevents nonalcoholic fatty liver disease through a novel IQGAP2-CREB-SIRT1 axis. <b>2021</b> , 35, 3898-3915	2
482	Platinum(II) -heterocyclic carbene complexes arrest metastatic tumor growth. 2021, 118,	2
481	Identification of an inhibitory pocket in falcilysin bound by chloroquine provides a new avenue for malaria drug development.	О
480	Experiences in Academic and Industry Partnerships (Forging a Path to Translational Drug Discovery. 1-101	
479	Antiviral Activity of Isoimperatorin Against Influenza A Virus and its Inhibition of Neuraminidase. <b>2021</b> , 12, 657826	4
478	A New Drug Discovery Approach Based on Thermal Proteome Profiling to Develop More Effective Drugs. <b>2021</b> , 8,	
477	Therapeutic potential of targeting membrane-spanning proteoglycan SDC4 in hepatocellular carcinoma. <b>2021</b> , 12, 492	2
476	Improvement of Oral Bioavailability of Pyrazolo-Pyridone Inhibitors of the Interaction of DCN1/2 and UBE2M. <b>2021</b> , 64, 5850-5862	1
475	ARAF mutations confer resistance to the RAF inhibitor belvarafenib in melanoma. <b>2021</b> , 594, 418-423	20

474	Development of phenyltriazole thiol-based derivatives as highly potent inhibitors of DCN1-UBC12 interaction. <b>2021</b> , 217, 113326	O
473	How Physiologic Targets Can Be Distinguished from Drug-Binding Proteins. <b>2021</b> , 100, 1-6	O
472	Recent progress in mass spectrometry-based strategies for elucidating protein-protein interactions. <b>2021</b> , 78, 5325-5339	12
471	Advances in targeting 'undruggable' transcription factors with small molecules. <b>2021</b> , 20, 669-688	28
470	Rotundic acid reduces LPS-induced acute lung injury in vitro and in vivo through regulating TLR4 dimer. <b>2021</b> , 35, 4485-4498	3
469	Thermal proteome profiling efficiently identifies ribosome destabilizing oxazolidinones. <b>2021</b> , 87, 132118	1
468	Why and How to Dig into Plant Metabolite-Protein Interactions. 2021, 26, 472-483	12
467	A Probe for NLRP3 Inflammasome Inhibitor MCC950 Identifies Carbonic Anhydrase 2 as a Novel Target. <b>2021</b> , 16, 982-990	8
466	Daphnegiravone D from Daphne giraldii induces cell death by targeting ATR in Hep3B cells. <b>2021</b> , 110, 104802	0
465	Synthesis and Pharmacological Evaluation of Tetrahydro-Etarboline Derivatives as Potent Anti-inflammatory Agents Targeting Cyclic GMP-AMP Synthase. <b>2021</b> , 64, 7667-7690	4
464	Selective inhibition of cullin 3 neddylation through covalent targeting DCN1 protects mice from acetaminophen-induced liver toxicity. <b>2021</b> , 12, 2621	1
463	New applications of advanced instrumental techniques for the characterization of food allergenic proteins. <b>2021</b> , 1-17	3
462	A protein-fragment complementation assay reveals that celastrol and gambogic acid suppress ERH mutants in breast cancer. <b>2021</b> , 188, 114583	2
461	Plasmodium falciparum protein Pfs16 is a target for transmission-blocking antimalarial drug development.	1
460	Anti-NSCLC activity in vitro of Hsp90 inhibitor KW-2478 and complex crystal structure determination of Hsp90-KW-2478. <b>2021</b> , 213, 107710	O
459	Receptor tyrosine kinases and cancer: oncogenic mechanisms and therapeutic approaches. <b>2021</b> , 40, 4079-4093	16
458	Thermal Proteome Profiling Reveals Glutathione Peroxidase 4 as the Target of the Autophagy Inducer Conophylline. <b>2021</b> , 100, 181-192	O
457	The Use of Informer Sets in Screening: Perspectives on an Efficient Strategy to Identify New Probes. <b>2021</b> , 26, 855-861	1

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456	Osteosarcoma cell proliferation suppression via SHP-2-mediated inactivation of the JAK/STAT3 pathway by tubocapsenolide A <b>2021</b> , 34, 79-91	2
455	A Bayesian semi-parametric model for thermal proteome profiling. <b>2021</b> , 4, 810	О
454	Thermal proteome profiling identifies PIP4K2A and ZADH2 as off-targets of Polo-like kinase 1 inhibitor volasertib. <b>2021</b> , 35, e21741	O
453	Discovery of a cooperative mode of inhibiting RIPK1 kinase. <b>2021</b> , 7, 41	3
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451	Protein mimetic amyloid inhibitor potently abrogates cancer-associated mutant p53 aggregation and restores tumor suppressor function. <b>2021</b> , 12, 3962	5
450	Norstictic Acid Is a Selective Allosteric Transcriptional Regulator. <b>2021</b> , 143, 9297-9302	4
449	Tumors exploit FTO-mediated regulation of glycolytic metabolism to evade immune surveillance. <b>2021</b> , 33, 1221-1233.e11	24
448	Crosstalk between miRNAs and signaling pathways involved in pancreatic cancer and pancreatic ductal adenocarcinoma. <b>2021</b> , 901, 174006	3
447	SLC7A11 Is a Superior Determinant of APR-246 (Eprenetapopt) Response than Mutation Status. <b>2021</b> , 20, 1858-1867	6
446	Assessing target engagement using proteome-wide solvent shift assays.	О
445	Development of potent dimeric inhibitors of GAS41 YEATS domain. <b>2021</b> ,	1
444	Design, Synthesis, and Characterization of 4-Aminoquinazolines as Potent Inhibitors of the G Protein-Coupled Receptor Kinase 6 (GRK6) for the Treatment of Multiple Myeloma. <b>2021</b> , 64, 11129-11147	1
443	Rapid Evaluation of Small Molecule Cellular Target Engagement with a Luminescent Thermal Shift Assay. <b>2021</b> , 12, 1288-1294	4
442	Establishment of live-cell-based coupled assay system for identification of compounds to modulate metabolic activities of cells. <b>2021</b> , 36, 109311	O
441	Expanding the arsenal of E3 ubiquitin ligases for proximity-induced protein degradation. <b>2021</b> , 28, 1014-1031	8
440	Proteomics in the pharmaceutical and biotechnology industry: a look to the next decade. <b>2021</b> , 18, 503-526	5
439	Nonpeptidic, Polo-Box Domain-Targeted Inhibitors of PLK1 Block Kinase Activity, Induce Its Degradation and Target-Resistant Cells. <b>2021</b> , 64, 9916-9925	1

438	Discovery of a small molecule inhibitor of cullin neddylation that triggers ER stress to induce autophagy <b>2021</b> , 11, 3567-3584	3
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436	Identification of covalent modifications regulating@mmune signaling complex composition and phenotype. <b>2021</b> , 17, e10125	3
435	An Autophagy-Disrupting Small Molecule Promotes Cancer Cell Death via Caspase Activation. <b>2021</b> , 22, 3425-3430	O
434	Mutant p53-reactivating compound APR-246 synergizes with asparaginase in inducing growth suppression in acute lymphoblastic leukemia cells. <b>2021</b> , 12, 709	2
433	Degradation of CCNK/CDK12 is a druggable vulnerability of colorectal cancer. <b>2021</b> , 36, 109394	9
432	CETSA interaction proteomics define specific RNA-modification pathways as key components of fluorouracil-based cancer drug cytotoxicity. <b>2021</b> ,	1
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424	Unsymmetric Cisplatin-Based Pt(IV) Conjugates Containing a PARP-1 Inhibitor Pharmacophore Tested on Malignant Pleural Mesothelioma Cell Lines. <b>2021</b> , 26,	2
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422	Autophagy Inhibition by Targeting PIKfyve Potentiates Response to Immune Checkpoint Blockade in Prostate Cancer. <b>2021</b> , 2, 978-993	4
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382	Computational analysis of ligand dose range thermal proteome profiles.	1
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266	An update of label-free protein target identification methods for natural active products <b>2022</b> , 12, 1829-1	8541
265	A chemical biology toolbox to investigate in-cell target engagement and specificity of PRMT5-inhibitors.	O
264	Precipitate-Supported Thermal Proteome Profiling Coupled with Deep Learning for Comprehensive Screening of Drug Target Proteins <b>2022</b> ,	2
263	A Comprehensive Review of Drug Repurposing Strategies against Known Drug Targets of COVID-19. <b>2022</b> , 2, 148-167	7
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259	Integrated analysis reveals FOXA1 and Ku70/Ku80 as direct targets of ivermectin in prostate cancer.	

258	Small Molecule Palmatine Targeting Musashi-2 in Colorectal Cancer <b>2021</b> , 12, 793449	1
257	Glytabastan B, a coumestan isolated from Glycine tabacina, alleviated synovial inflammation, osteoclastogenesis and collagen-induced arthritis through inhibiting MAPK and PI3K/AKT pathways <b>2022</b> , 114912	2
256	Identification of a Small Molecule That Enhances Ferroptosis via Inhibition of Ferroptosis Suppressor Protein 1 (FSP1) <b>2022</b> ,	1
255	High-Throughput Cellular Thermal Shift Assay Using Acoustic Transfer of Protein Lysates 2022,	2
254	The role of cholesterol recognition (CARC/CRAC) mirror codes in the allosterism of the human organic cation transporter 2 (OCT2, SLC22A2). <b>2021</b> , 194, 114840	2
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251	Ebselen enhances insulin sensitivity and decreases oxidative stress by inhibiting SHIP2 and protects from inflammation in diabetic mice <b>2022</b> , 18, 1852-1864	1
250	Design, Synthesis and Biological Evaluation of Prodrugs of 666-15 as Inhibitors of CREB-Mediated Gene Transcription <b>2022</b> , 13, 388-395	O
249	Accelerating the Validation of Endogenous On-Target Engagement and In-cellulo Kinetic Assessment for Covalent Inhibitors of KRASG12C in Early Drug Discovery.	
248	Nifuroxazide ameliorates pulmonary fibrosis by blocking myofibroblast genesis: a drug repurposing study <b>2022</b> , 23, 32	0
247	Ziprasidone suppresses pancreatic adenocarcinoma cell proliferation by targeting GOT1 to trigger glutamine metabolism reprogramming <b>2022</b> ,	O
246	Identification of Adenylate Kinase 5 as a Protein Target of Ginsenosides in Brain Tissues Using Mass Spectrometry-Based Drug Affinity Responsive Target Stability (DARTS) and Cellular Thermal Shift Assay (CETSA) Techniques <b>2022</b> ,	1
245	Pentamidine Alleviates Inflammation and Lipopolysaccharide-Induced Sepsis by Inhibiting TLR4 Activation Targeting MD2 <b>2022</b> , 13, 835081	1
244	Discovery of novel paeonol-based derivatives against skin inflammation and 2022, 37, 817-831	O
243	Clemastine Inhibits the Biofilm and Hemolytic of Staphylococcus aureus through the GdpP Protein <b>2022</b> , e0054121	O
242	ProSAP: a GUI software tool for statistical analysis and assessment of thermal stability data 2022,	O
241	Quercetin Reduces the Virulence of S. aureus by Targeting ClpP to Protect Mice from MRSA-Induced Lethal Pneumonia <b>2022</b> , e0234021	O

240	SARS-CoV-2 Nsp13 encodes for an HLA-E-stabilizing peptide that abrogates inhibition of NKG2A-expressing NK cells <b>2022</b> , 110503	2
239	Considerations and challenges for sex-aware drug repurposing <b>2022</b> , 13, 13	1
238	Re-sensitization of carrying multidrug resistant bacteria to colistin by silver 2022, 119, e2119417119	2
237	The emerging role of mass spectrometry-based proteomics in drug discovery 2022,	10
236	Dehydrocostus Lactone Suppresses Dextran Sulfate Sodium-Induced Colitis by Targeting the IKK严NF- <b>B</b> and Keap1-Nrf2 Signalling Pathways <b>2022</b> , 13, 817596	1
235	Proteome-wide cellular thermal shift assay reveals unexpected cross-talk between brassinosteroid and auxin signaling <b>2022</b> , 119, e2118220119	3
234	Blocking UBE2N abrogates oncogenic immune signaling in acute myeloid leukemia 2022, 14, eabb7695	1
233	Regulation of Plant Primary Metabolism [How Results From Novel Technologies Are Extending Our Understanding From Classical Targeted Approaches. 1-20	O
232	Polyphyllin VII, a novel moesin inhibitor, suppresses cell growth and overcomes bortezomib resistance in multiple myeloma <b>2022</b> , 215647	2
231	Phosphorylation of SHP2 at Tyr62 enables acquired resistance to SHP2 allosteric inhibitors in FLT3-ITD-driven AML <b>2022</b> ,	2
230	Investigation of Carboxylic Acid Isosteres and Prodrugs for Inhibition of the Human SIRT5 Lysine Deacylase Enzyme <b>2022</b> ,	1
229	MYH9 binds to dNTPs via deoxyribose moiety and plays an important role in DNA synthesis <b>2022</b> , 13, 534-550	O
228	Advancing automation in high-throughput screening: Modular unguarded systems enable adaptable drug discovery <b>2022</b> ,	
227	Integrative multi-omics and drug response profiling of childhood acute lymphoblastic leukemia cell lines <b>2022</b> , 13, 1691	О
226	Investigation of Carboxylic Acid Isosteres and Prodrugs for Inhibition of the Human SIRT5 Lysine Deacylase Enzyme**.	
225	Imatinib inhibits SARS-CoV-2 infection by an off-target-mechanism <b>2022</b> , 12, 5758	1
224	Synthesis and pharmacological validation of fluorescent diarylsulfonylurea analogues as NLRP3 inhibitors and imaging probes <b>2022</b> , 237, 114338	2
223	Preclinical studies of the triazolo[1,5-a]pyrimidine derivative WS-716 as a highly potent, specific and orally active P-glycoprotein (P-gp) inhibitor. <b>2022</b> ,	1

222	Validating Small Molecule Chemical Probes for Biological Discovery 2022,	3
221	BN82002 alleviated tissue damage of septic mice by reducing inflammatory response through inhibiting AKT2/NF- <b>B</b> signaling pathway <b>2022</b> , 148, 112740	O
220	Nepetin reduces virulence factors expression by targeting ClpP against MRSA-induced pneumonia infection <b>2022</b> , 13, 578-588	0
219	The Lck inhibitor, AMG-47a, blocks necroptosis and implicates RIPK1 in signalling downstream of MLKL <b>2022</b> , 13, 291	1
218	Stachydrine hydrochloride inhibits hepatocellular carcinoma progression via LIF/AMPK axis <b>2022</b> , 100, 154066	0
217	Lysine #Hydroxybutyrylation Improves Stability of COVID-19 Antibody. <b>2021</b> ,	O
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215	A clickable photoaffinity probe of betulinic acid identifies tropomyosin as a target. <b>2021</b> ,	1
214	Proteome-wide cellular thermal shift assay reveals novel crosstalk between brassinosteroid and auxin signaling.	
213	A specific inhibitor of ALDH1A3 regulates retinoic acid biosynthesis in glioma stem cells <b>2021</b> , 4, 1420	3
212	Nuciferine protects against high-fat diet-induced hepatic steatosis and insulin resistance via activating TFEB-mediated autophagylysosomal pathway. <b>2021</b> ,	2
211	Assessing target engagement using proteome-wide solvent shift assays. <b>2021</b> , 10,	3
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184	In Silico Screening and Validation of PDGFRA Inhibitors Enhancing Radioiodine Sensitivity in Thyroid Cancer. <b>2022</b> , 13,	O
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182	Selective chemical probes can untangle the complexity of the plant cell endomembrane system <b>2022</b> , 68, 102223	O
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84	A Dimerosesquiterpene and Sesquiterpene Lactones from Artemisia argyi Inhibiting Oncogenic PI3K/AKT Signaling in Melanoma Cells.	О
83	Thermal proteome profiling: Insights into protein modifications, associations, and functions. <b>2022</b> , 71, 102225	О
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67	Chemical Biology Approaches Confirm MCT4 as the Therapeutic Target of a Cellular Optimized Hit.	O
66	Massive solubility changes of neuronal proteins upon simulated traumatic brain injury reveal the role of shockwave in irreversible damage.	0
65	Design, synthesis and biological evaluation of novel 9-methyl-9H-purine and thieno[3, 2-d]pyrimidine derivatives as potent mTOR inhibitors. <b>2023</b> , 106356	O
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63	Novel chemical-structure TPOR agonist, TMEA, promotes megakaryocytes differentiation and thrombopoiesis via mTOR and ERK signalings. <b>2023</b> , 110, 154637	0
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55	EFMC ITrends that Link Medicinal Chemistry and Chemical Biology to Translational Drug Discovery.	O
54	Spermine enhances antiviral and anticancer responses by stabilizing DNA binding with the DNA sensor cGAS. <b>2023</b> ,	1
53	Rhodojaponin VI indirectly targets Cav2.2 channels via N-ethylmaleimide-sensitive fusion protein to alleviate neuropathic pain. <b>2023</b> ,	О
52	Narirutin activates TFEB (transcription factor EB) to protect against Acetaminophen-induced liver injury by targeting PPP3/calcineurin. 1-17	0
51	Design, synthesis and biological evaluation of Nucleosidic CD99 inhibitors that selectively reduce Ewing sarcoma viability. <b>2023</b> , 251, 115244	О
50	20-Hydroxyecdysone inhibits inflammation via SIRT6-mediated NF- <b>B</b> signaling in endothelial cells. <b>2023</b> , 1870, 119460	0
49	Cycloguanil and Analogues Potently Target DHFR in Cancer Cells to Elicit Anti-Cancer Activity. <b>2023</b> , 13, 151	О
48	Discovery of Norbornene as a Novel Hydrophobic Tag Applied in Protein Degradation. 2023, 135,	0
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44	Selective Covalent Targeting of Pyruvate Kinase M2 Using Arsenous Warheads. <b>2023</b> , 66, 2608-2621	O
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42	Fluorescence-based methods for studying activity and drug-drug interactions of hepatic solute carrier and ATP binding cassette proteins involved in ADME-Tox. <b>2023</b> , 209, 115448	O
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27	An intrinsic purine metabolite AICAR blocks lung tumour growth by targeting oncoprotein mucin 1.	O
26	Targeted Protein Upregulation of STING for Boosting the Efficacy of Immunotherapy. 2023, 62,	О
25	A novel antifolate suppresses growth of FPGS-deficient cells and overcomes methotrexate resistance.	O

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