

# TargetMol List of High IF Citations

Last updated: March 2025



| Journal                                  | PMID     | Date                           | Paper                                                                                                                                                                            | IF     | Link                                                                                                                                                  | Cited Product ID | Cited Product Name                      |
|------------------------------------------|----------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------|
| Nature                                   | 35940204 | 2022: 1-3.                     | Hormone- and antibody-mediated activation of the thyrotropin receptor                                                                                                            | 69.504 | <a href="https://pubmed.ncbi.nlm.nih.gov/35940204/">https://pubmed.ncbi.nlm.nih.gov/35940204/</a>                                                     | T12073           | ML-109                                  |
| Cell                                     | 36368306 | 2022, 185(23): 4361-4375. e19. | Molecular recognition of morphine and fentanyl by the human $\mu$ -opioid receptor                                                                                               | 66.85  | <a href="https://pubmed.ncbi.nlm.nih.gov/36368306/">https://pubmed.ncbi.nlm.nih.gov/36368306/</a>                                                     | T13236L          | Oliceridine hydrochloride (TRV130)      |
| Cell                                     | 37269831 | 2023                           | Distinct longevity mechanisms across and within species and their association with aging                                                                                         | 66.85  | <a href="https://pubmed.ncbi.nlm.nih.gov/37269831/">https://pubmed.ncbi.nlm.nih.gov/37269831/</a>                                                     | T14982           | Clofilium tosylate                      |
| Nature                                   | 37532940 | 2023: 1-6.                     | GPCR activation and GRK2 assembly by a biased intracellular agonist                                                                                                              | 64.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/37532940/">https://pubmed.ncbi.nlm.nih.gov/37532940/</a>                                                     | C0001            | Protease Inhibitor Cocktail,EDTA-Free   |
| Nature                                   | 37648854 | 2023: 1-8.                     | CRISPR screens decode cancer cell pathways that trigger $\gamma\delta$ T cell detection                                                                                          | 64.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/37648854/">https://pubmed.ncbi.nlm.nih.gov/37648854/</a>                                                     | /                | C991                                    |
| Nature                                   | 37935376 | 2023: 1-3.                     | Ligand recognition and G protein coupling of trace amine receptor TAAR1                                                                                                          | 64.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/37935376/">https://pubmed.ncbi.nlm.nih.gov/37935376/</a>                                                     | T1566            | aripiprazole                            |
| Nature                                   | 37935377 | 2023: 1-3.                     | Recognition of methamphetamine and other amines by trace amine receptor TAAR1                                                                                                    | 64.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/37935377/">https://pubmed.ncbi.nlm.nih.gov/37935377/</a>                                                     | T12899           | SEP-363856                              |
| Nature                                   | 38057665 | 2023: 1-8.                     | A novel antidiuretic hormone governs tumour-induced renal dysfunction                                                                                                            | 64.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/38057665/">https://pubmed.ncbi.nlm.nih.gov/38057665/</a>                                                     | T15278           | fezolinetant                            |
| Nature                                   | 38418876 | 2024: 1-8.                     | Multisensory gamma stimulation promotes glymphatic clearance of amyloid                                                                                                          | 64.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/38418876/">https://pubmed.ncbi.nlm.nih.gov/38418876/</a>                                                     | T5102            | TGN020                                  |
| Cell                                     | 37963465 | 2023                           | Structural and signaling mechanisms of TAAR1 enabled preferential agonist design                                                                                                 | 64.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/37963465/">https://pubmed.ncbi.nlm.nih.gov/37963465/</a>                                                     | /                | molecular libraries                     |
| Cell                                     | 38744281 | 2024                           | Osr2 functions as a biomechanical checkpoint to aggravate CD8 <sup>+</sup> T cell exhaustion in tumor                                                                            | 64.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/38744281/">https://pubmed.ncbi.nlm.nih.gov/38744281/</a>                                                     | C0001            | Protease Inhibitor Cocktail I           |
| Nature Medicine                          | 39779925 | 2025: 1-12.                    | The gut-brain axis underlying hepatic encephalopathy in liver cirrhosis                                                                                                          | 58.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39779925/">https://pubmed.ncbi.nlm.nih.gov/39779925/</a>                                                     | /                | 22,240 compounds                        |
| Chemical Society Reviews                 | 34212944 | 2021                           | A critical overview of computational approaches employed for COVID-19 drug discovery                                                                                             | 54.564 | <a href="https://pubmed.ncbi.nlm.nih.gov/34212944/">https://pubmed.ncbi.nlm.nih.gov/34212944/</a>                                                     | 0                |                                         |
| Nature                                   | 39020166 | 2024: 1-10.                    | In vivo single-cell CRISPR uncovers distinct TNF programmes in tumour evolution                                                                                                  | 50.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/39020166/">https://pubmed.ncbi.nlm.nih.gov/39020166/</a>                                                     | T17341           | 5-ethynyl-2'-deoxyuridine               |
| Nature                                   | 38499683 | 2024, 627(8004): 656-663.      | An atlas of epithelial cell states and plasticity in lung adenocarcinoma                                                                                                         | 50.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/38499683/">https://pubmed.ncbi.nlm.nih.gov/38499683/</a>                                                     | T20533           | Tobacco-specific carcinogen (NNK)       |
| Nature                                   | 32272481 | 2020, 582: 289-293             | Structure of Mpro from SARS-CoV-2 and discovery of its inhibitors                                                                                                                | 49.962 | <a href="https://pubmed.ncbi.nlm.nih.gov/32272481/">https://pubmed.ncbi.nlm.nih.gov/32272481/</a>                                                     | L3400            | Clinic Compound Library                 |
| Nature                                   | 34552239 | 2021, 598(7882): 688-692.      | Structures of full-length glycoprotein hormone receptor signalling complexes                                                                                                     | 49.962 | <a href="https://pubmed.ncbi.nlm.nih.gov/34552239/">https://pubmed.ncbi.nlm.nih.gov/34552239/</a>                                                     | C0001            | Protease Inhibitor Cocktail             |
| Cell Research                            | 36588120 | 2023: 1-9.                     | Structural basis of signaling regulation of the human melanocortin-2 receptor by MRAP1                                                                                           | 46.297 | <a href="https://pubmed.ncbi.nlm.nih.gov/36588120/">https://pubmed.ncbi.nlm.nih.gov/36588120/</a>                                                     | C0001            | Protease Inhibitor Cocktail             |
| Cell                                     | 39721587 | 2024                           | Squeeze pumping of lipids and insecticides by ABCH transporter                                                                                                                   | 45.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/39721587/">https://pubmed.ncbi.nlm.nih.gov/39721587/</a>                                                     | T3359            | Aprotinin                               |
| Cell                                     | 40023152 | 2025                           | Lysine vitcylation is a vitamin C-derived protein modification that enhances STAT1-mediated immune response                                                                      | 45.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/40023152/">https://pubmed.ncbi.nlm.nih.gov/40023152/</a>                                                     | T6680            | Staurosporine                           |
| Cell Research                            | 37500768 | 2023: 1-14.                    | Maternal aging increases offspring adult body size via transmission of donut-shaped mitochondria                                                                                 | 44.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/37500768/">https://pubmed.ncbi.nlm.nih.gov/37500768/</a>                                                     | T2970            | rotenone                                |
| Cell Research                            | 37674011 | 2023: 1-12.                    | Cryo-EM structures of human organic anion transporting polypeptide OATP1B1                                                                                                       | 44.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/37674011/">https://pubmed.ncbi.nlm.nih.gov/37674011/</a>                                                     | T2934            | bilirubin                               |
| Immunity                                 | 36029766 | 2022                           | Renal NF- $\kappa$ B activation impairs uric acid homeostasis to promote tumor-associated mortality independent of wasting                                                       | 43.474 | <a href="https://pubmed.ncbi.nlm.nih.gov/36029766/">https://pubmed.ncbi.nlm.nih.gov/36029766/</a>                                                     | T0692            | Allopurinol                             |
| Nature                                   | articles | 2019, 572(7770): 528-532.      | Molecular architecture of lineage allocation and tissue organization in early mouse embryo                                                                                       | 43.07  | <a href="https://www.nature.com/articles/s41586-019-1469-8">https://www.nature.com/articles/s41586-019-1469-8</a>                                     | T3112            | Verteporfin                             |
| Nature                                   | articles | 2020, 588(7838): 479-484.      | Feeding induces cholesterol biosynthesis via the mTORC1-USP20-HMGCR axis                                                                                                         | 42.778 | <a href="https://www.nature.com/articles/s41586-020-2928-y">https://www.nature.com/articles/s41586-020-2928-y</a>                                     | T6045            | torin1                                  |
| Cell                                     | pii      | 2021, 184(4): 931-942. e18.    | Structural insights into the human D1 and D2 dopamine receptor signaling complexes                                                                                               | 41.582 | <a href="https://www.sciencedirect.com/science/article/pii/S0092867421000702">https://www.sciencedirect.com/science/article/pii/S0092867421000702</a> | T5842            | Bromocriptine mesylate                  |
| Nature                                   | 31068699 | 2019, 569(7757): 509-513.      | Time-resolved protein activation by proximal decaying in living systems                                                                                                          | 41.577 | <a href="https://www.nature.com/articles/s41586-019-1188-1">https://www.nature.com/articles/s41586-019-1188-1</a>                                     | T4006            | pentostatin                             |
| Signal Transduction and Targeted Therapy | 39143065 | 2024, 9(1): 216.               | Branched-chain amino acid transaminase 1 confers EGFR-TKI resistance through epigenetic glycolytic activation                                                                    | 40.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/39143065/">https://pubmed.ncbi.nlm.nih.gov/39143065/</a>                                                     | T0702            | Gabapentin                              |
| Signal Transduction and Targeted Therapy | 39438476 | 2024, 9(1): 293.               | MEK inhibition prevents CAR-T cell exhaustion and differentiation via downregulation of c-Fos and                                                                                | 40.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/39438476/">https://pubmed.ncbi.nlm.nih.gov/39438476/</a>                                                     | C0001            | protease inhibitor cocktail             |
| Signal Transduction and Targeted Therapy | 39837814 | 2025, 10(1): 25.               | Targeting SRSF1 improves cancer immunotherapy by dually acting on CD8 <sup>+</sup> T and tumor cells                                                                             | 40.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/39837814/">https://pubmed.ncbi.nlm.nih.gov/39837814/</a>                                                     | TN2008           | Okanin                                  |
| Signal Transduction and Targeted Therapy | 39948369 | 2025, 10(1): 54.               | Full-length transcriptome atlas of gallbladder cancer reveals trastuzumab resistance conferred by ERBB2 alternative splicing                                                     | 40.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/39948369/">https://pubmed.ncbi.nlm.nih.gov/39948369/</a>                                                     | T9912            | Trastuzumab                             |
| Cancer Discovery                         | 34544752 | 2022, 12(2): 356-371.          | INK4 tumor suppressor proteins mediate resistance to CDK4/6 kinase inhibitors                                                                                                    | 39.397 | <a href="https://pubmed.ncbi.nlm.nih.gov/34544752/">https://pubmed.ncbi.nlm.nih.gov/34544752/</a>                                                     | T3111            | Abemaciclib (LY2835219)                 |
| Cancer Discovery                         | 34772733 | 2022-12 (3) P730               | EP300 Selectively Controls the Enhancer Landscape of MYCN-Amplified NeuroblastomaEP300 Controls Enhancers and MYCN in Neuroblastoma                                              | 39.397 | <a href="https://pubmed.ncbi.nlm.nih.gov/34772733/">https://pubmed.ncbi.nlm.nih.gov/34772733/</a>                                                     | T2384            | pomalidomide                            |
| Signal Transduction and Targeted Therapy | 38575583 | 2024, 9(1): 84.                | Circulating tumor cells shielded with extracellular vesicle-derived CD45 evade T cell attack to enable metastasis                                                                | 39.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38575583/">https://pubmed.ncbi.nlm.nih.gov/38575583/</a>                                                     | T0875            | Acetylcysteine                          |
| Signal Transduction and Targeted Therapy | 38616190 | 2024, 9(1): 89.                | Anti-lymphangiogenesis for boosting drug accumulation in tumors                                                                                                                  | 39.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38616190/">https://pubmed.ncbi.nlm.nih.gov/38616190/</a>                                                     | T6012            | SAR131675                               |
| Journal of Infection                     | 34902449 | 2022, 84(2): 187-204           | MAMDC2, a gene highly expressed in microglia in experimental models of Alzheimers Disease, positively regulates the innate antiviral response during neurotropic virus infection | 38.637 | <a href="https://pubmed.ncbi.nlm.nih.gov/34902449/">https://pubmed.ncbi.nlm.nih.gov/34902449/</a>                                                     | T13647           | Dextran Sulfate Sodium Salt             |
| Cancer Cell                              | 36563680 | 2022                           | Gut microbiota-mediated nucleotide synthesis attenuates the response to neoadjuvant chemoradiotherapy in rectal cancer                                                           | 38.585 | <a href="https://pubmed.ncbi.nlm.nih.gov/36563680/">https://pubmed.ncbi.nlm.nih.gov/36563680/</a>                                                     | T8551            | S-(4-Nitrobenzyl)-6-thioinosine (NBMPR) |
| Cancer Cell                              | 37244259 | 2023                           | Exhaustion-associated cholesterol deficiency dampens the cytotoxic arm of antitumor immunity                                                                                     | 38.585 | <a href="https://pubmed.ncbi.nlm.nih.gov/37244259/">https://pubmed.ncbi.nlm.nih.gov/37244259/</a>                                                     | T6310L           | GW3965                                  |
| Nature Genetics                          | 35468964 | 2022-54(5)P670-683             | HOXB13 suppresses de novo lipogenesis through HDAC3-mediated epigenetic reprogramming in prostate cancer                                                                         | 38.33  | <a href="https://pubmed.ncbi.nlm.nih.gov/35468964/">https://pubmed.ncbi.nlm.nih.gov/35468964/</a>                                                     | T15271           | TVB-2640                                |
| Cancer Discovery                         | 36649564 | 2023                           | Targeting Microglial Metabolic Rewiring Synergizes with Immune Checkpoint Blockade Therapy for Glioblastoma                                                                      | 38.272 | <a href="https://pubmed.ncbi.nlm.nih.gov/36649564/">https://pubmed.ncbi.nlm.nih.gov/36649564/</a>                                                     | T1902            | Bay-11-7082                             |
| Signal Transduction and Targeted Therapy | 33262323 | 2020, 5(1): 1-12.              | MELK is an oncogenic kinase essential for metastasis, mitotic progression, and programmed death in lung carcinoma                                                                | 38.104 | <a href="https://pubmed.ncbi.nlm.nih.gov/33262323/">https://pubmed.ncbi.nlm.nih.gov/33262323/</a>                                                     | T6826            | Emricasan                               |
| Signal Transduction and Targeted Therapy | 36575184 | 2022, 7(1): 1-12.              | SARS-CoV-2 hijacks cellular kinase CDK2 to promote viral RNA synthesis                                                                                                           | 38.104 | <a href="https://pubmed.ncbi.nlm.nih.gov/36575184/">https://pubmed.ncbi.nlm.nih.gov/36575184/</a>                                                     | T6049            | SNS-032                                 |
| Signal Transduction and Targeted Therapy | 37160887 | 2023, 8(1): 183.               | A ribosomal gene panel predicting a novel synthetic lethality in non-BRCAness tumors                                                                                             | 38.104 | <a href="https://pubmed.ncbi.nlm.nih.gov/37160887/">https://pubmed.ncbi.nlm.nih.gov/37160887/</a>                                                     | T1261            | farlutin                                |
| Signal Transduction and Targeted Therapy | 37264021 | 2023, 8(1): 224.               | RPS15 interacted with IGF2BP1 to promote esophageal squamous cell carcinoma development via recognizing m6A modification                                                         | 38.104 | <a href="https://pubmed.ncbi.nlm.nih.gov/37264021/">https://pubmed.ncbi.nlm.nih.gov/37264021/</a>                                                     | T0062            | Folic acid                              |
| Cell Discovery                           | 36376273 | 2022, 8(1): 1-22.              | Single-cell sequencing unveils key contributions of immune cell populations in cancer-associated adipose wasting                                                                 | 38.079 | <a href="https://pubmed.ncbi.nlm.nih.gov/36376273/">https://pubmed.ncbi.nlm.nih.gov/36376273/</a>                                                     | T6250            | H-89 dihydrochloride                    |
| Cell Discovery                           | 36543774 | 2022, 8(1): 1-12.              | Insights into divalent cation regulation and G13-coupling of orphan receptor GPR35                                                                                               | 38.079 | <a href="https://pubmed.ncbi.nlm.nih.gov/36543774/">https://pubmed.ncbi.nlm.nih.gov/36543774/</a>                                                     | C0001            | EDTA-free protease inhibitor cocktail   |
| Cell Discovery                           | 37156794 | 2023, 9(1): 1-13.              | BRD4-targeting PROTAC as a unique tool to study biomolecular condensates                                                                                                         | 38.079 | <a href="https://pubmed.ncbi.nlm.nih.gov/37156794/">https://pubmed.ncbi.nlm.nih.gov/37156794/</a>                                                     | T5130            | dBET6                                   |
| Cell Discovery                           | 37221172 | 2023, 9(1): 49.                | Gut A $\alpha$ T mediates sleep deprivation-induced energy wasting in <i>Drosophila</i>                                                                                          | 38.079 | <a href="https://pubmed.ncbi.nlm.nih.gov/37221172/">https://pubmed.ncbi.nlm.nih.gov/37221172/</a>                                                     | T1507            | STZ                                     |
| Molecular Cancer                         | 38093288 | 2023, 22(1): 1-19.             | Hsa_circ_0136666 stimulates gastric cancer progression and tumor immune escape by regulating the miR-375/PRKDC Axis and PD-L1 phosphorylation                                    | 37.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38093288/">https://pubmed.ncbi.nlm.nih.gov/38093288/</a>                                                     | C0005            | CCK-8                                   |

|                                  |          |                                                  |                                                                                                                                                                                                                 |        |                                                                                                                                                                                                               |        |                                                           |
|----------------------------------|----------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------|
| Molecular Cancer                 | 38360682 | 2024, 23(1): 1-27.                               | A novel peptide PDHK1-241aa encoded by circPDHK1 promotes ccRCC progression via interacting with PPP1CA to inhibit AKT dephosphorylation and activate the AKT-mTOR signaling pathway                            | 37.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38360682/">https://pubmed.ncbi.nlm.nih.gov/38360682/</a>                                                                                                             | C0005  | CCK-8                                                     |
| Molecular Cancer                 | 38678233 | 2024, 23(1): 85.                                 | Exclusion of HDAC1/2 complexes by oncogenic nuclear condensates                                                                                                                                                 | 37.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38678233/">https://pubmed.ncbi.nlm.nih.gov/38678233/</a>                                                                                                             | T3110  | PRT4165                                                   |
| Molecular Cancer                 | 38778348 | 2024, 23(1): 111.                                | PARP1-DOT1L transcription axis drives acquired resistance to PARP inhibitor in ovarian cancer                                                                                                                   | 37.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38778348/">https://pubmed.ncbi.nlm.nih.gov/38778348/</a>                                                                                                             | T3015  | Olaparib                                                  |
| Nature Biotechnology             | 34140681 | 2021, 39(11): 1444-1452                          | Prediction of drug efficacy from transcriptional profiles with deep learning                                                                                                                                    | 36.558 | <a href="https://pubmed.ncbi.nlm.nih.gov/34140681/">https://pubmed.ncbi.nlm.nih.gov/34140681/</a>                                                                                                             | L4200  | FDA-Approved Drug Library                                 |
| Nature Methods                   | 39025969 | 2024: 1-10.                                      | Single-cell EpiChem jointly measures drug-chromatin binding and multimodal epigenome                                                                                                                            | 36.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/39025969/">https://pubmed.ncbi.nlm.nih.gov/39025969/</a>                                                                                                             | T1020  | Dox (CAS: 25316-40-9)                                     |
| Military Medical Research        | 36131323 | 2022, 9(1): 1-17.                                | An integrated microfluidics platform with high-throughput single-cell cloning array and concentration gradient generator for efficient cancer drug effect screening                                             | 34.915 | <a href="https://pubmed.ncbi.nlm.nih.gov/36131323/">https://pubmed.ncbi.nlm.nih.gov/36131323/</a>                                                                                                             | T6230  | Ima                                                       |
| Gastroenterology                 | 35948109 | 2022                                             | Combined MEK and STAT3 inhibition uncovers stromal plasticity by enriching for cancer-associated fibroblasts with mesenchymal stem cell-like features to overcome immunotherapy resistance in pancreatic cancer | 33.883 | <a href="https://pubmed.ncbi.nlm.nih.gov/35948109/">https://pubmed.ncbi.nlm.nih.gov/35948109/</a>                                                                                                             | T1829  | roxolitinib                                               |
| Cell Discovery                   | 37391393 | 2023, 9(1): 66.                                  | Structural insights into neurokinin 3 receptor activation by endogenous and analogue peptide agonists                                                                                                           | 33.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/37391393/">https://pubmed.ncbi.nlm.nih.gov/37391393/</a>                                                                                                             | C0001  | protease inhibitor cocktail                               |
| Cell Discovery                   | 37460462 | 2023, 9(1): 1-17.                                | Lysine butyrylation of HSP90 regulated by KAT8 and HDAC11 confers chemoresistance                                                                                                                               | 33.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/37460462/">https://pubmed.ncbi.nlm.nih.gov/37460462/</a>                                                                                                             | /      |                                                           |
| Cell Discovery                   | 37550284 | 2023, 9(1): 1-15.                                | TET2 is required to suppress mTORC1 signaling through urea cycle with therapeutic potential                                                                                                                     | 33.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/37550284/">https://pubmed.ncbi.nlm.nih.gov/37550284/</a>                                                                                                             | /      | phosphatase inhibitor cocktail                            |
| Cell Discovery                   | 37848438 | 2023, 9(1): 104.                                 | Metformin potentiates nephrotoxicity by promoting NETosis in response to renal ferroptosis                                                                                                                      | 33.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/37848438/">https://pubmed.ncbi.nlm.nih.gov/37848438/</a>                                                                                                             | T0740  | Metformin HCl                                             |
| Nature Medicine                  | 30397356 | 2018, 24(12): 1919-1929.                         | Gut microbiota and intestinal FXR mediate the clinical benefits of metformin                                                                                                                                    | 32.621 | <a href="https://pubmed.ncbi.nlm.nih.gov/30397356/">https://pubmed.ncbi.nlm.nih.gov/30397356/</a>                                                                                                             | T0847  | Chenodeoxycholic acid                                     |
| Immunity                         | 32268121 | 2020                                             | Lipid droplet formation drives pathogenic ILC2 responses in airway inflammation                                                                                                                                 | 32.474 | <a href="https://pubmed.ncbi.nlm.nih.gov/32268121/">https://pubmed.ncbi.nlm.nih.gov/32268121/</a>                                                                                                             | T6365  | A922500                                                   |
| Immunity                         | 37848037 | 2023                                             | Polyamine metabolism controls B-to-Z DNA transition to orchestrate DNA sensor cGAS activity                                                                                                                     | 32.4   | <a href="https://pubmed.ncbi.nlm.nih.gov/37848037/">https://pubmed.ncbi.nlm.nih.gov/37848037/</a>                                                                                                             | T3998  | Itacitinib                                                |
| Immunity                         | 37890481 | 2023                                             | SMPDL3A is a cGAMP-degrading enzyme induced by LXR-mediated lipid metabolism to restrict cGAS-STING DNA sensing                                                                                                 | 32.4   | <a href="https://pubmed.ncbi.nlm.nih.gov/37890481/">https://pubmed.ncbi.nlm.nih.gov/37890481/</a>                                                                                                             | L6000  | Natural Compound Library                                  |
| Advanced Materials               | 35315546 | 2022: 2109984.                                   | Rapid surface display of mRNA antigens by bacteria-derived outer membrane vesicles for a personalized tumor vaccine                                                                                             | 32.086 | <a href="https://pubmed.ncbi.nlm.nih.gov/35315546/">https://pubmed.ncbi.nlm.nih.gov/35315546/</a>                                                                                                             | T23171 | Poly(l:C)                                                 |
| Advanced Materials               | 36341495 | 2022: 2207890.                                   | Probiotic-inspired nanomedicine restores intestinal homeostasis in colitis by regulating redox balance, immune responses, and the gut microbiome                                                                | 32.086 | <a href="https://pubmed.ncbi.nlm.nih.gov/36341495/">https://pubmed.ncbi.nlm.nih.gov/36341495/</a>                                                                                                             | T1171  | Meprednisone                                              |
| Immunity                         | 29653696 | 2018, 48(4): 675-687. e7                         | Manganese Increases the Sensitivity of the gas-sing Pathway for Double-stranded Dna and Is Required for the Host Defense against Dna Viruses                                                                    | 31.745 | <a href="https://pubmed.ncbi.nlm.nih.gov/29653696/">https://pubmed.ncbi.nlm.nih.gov/29653696/</a>                                                                                                             | T1454  | Acyclovir                                                 |
| Immunity                         | 30366764 | 2018, 49(5): 842-856. e7                         | Cholesterol Homeostatic Regulator SCAP-SREBP2 Integrates NLRP3 Inflammasome Activation and Cholesterol Biosynthetic Signaling in Macrophages                                                                    | 31.745 | <a href="https://pubmed.ncbi.nlm.nih.gov/30366764/">https://pubmed.ncbi.nlm.nih.gov/30366764/</a>                                                                                                             | T3121  | Betulin                                                   |
| Immunity                         | 34555337 | 2021, 54(10): 2231-2244. e6.                     | Inhibition of viral suppressor of RNAi proteins by designer peptides protects from enteroviral infection in vivo                                                                                                | 31.745 | <a href="https://pubmed.ncbi.nlm.nih.gov/34555337/">https://pubmed.ncbi.nlm.nih.gov/34555337/</a>                                                                                                             | C0001  | protease inhibitor cocktail                               |
| Cancer cell                      | 33667384 | 2021, 39(4): 529-547. e7.                        | MDMX acts as a pervasive preleukemic-to-acute myeloid leukemia transition mechanism                                                                                                                             | 31.743 | <a href="https://pubmed.ncbi.nlm.nih.gov/33667384/">https://pubmed.ncbi.nlm.nih.gov/33667384/</a>                                                                                                             | T5642  | BC2059                                                    |
| Cell Metabolism                  | 36309010 | 2023, 35(1): 200-211. e9.                        | Ultrasensitive sensors reveal the spatiotemporal landscape of lactate metabolism in physiology and disease                                                                                                      | 31.373 | <a href="https://pubmed.ncbi.nlm.nih.gov/36309010/">https://pubmed.ncbi.nlm.nih.gov/36309010/</a>                                                                                                             | T3210  | AZD-3965                                                  |
| Cell Metabolism                  | 无        | 2023                                             | PHGDH-mediated endothelial metabolism drives glioblastoma resistance to chimeric antigen receptor T cell immunotherapy                                                                                          | 31.373 | <a href="https://www.cell.com/cell-metabolism/pdf/S1550-4131(23)00010-4.pdf">https://www.cell.com/cell-metabolism/pdf/S1550-4131(23)00010-4.pdf</a>                                                           | T15359 | Furimazine                                                |
| Nature Immunology                | 35879450 | 2022: 1-15                                       | Deacylation by SIRT1 enables liquid-liquid phase separation of IRF3/IRF7 in innate antiviral immunity                                                                                                           | 31.25  | <a href="https://pubmed.ncbi.nlm.nih.gov/35879450/">https://pubmed.ncbi.nlm.nih.gov/35879450/</a>                                                                                                             | T1558  | SRT501                                                    |
| Nature Microbiology              | 35637330 | 2022: 1-13                                       | Dual inhibition of innate immunity and apoptosis by human cytomegalovirus protein UL37x1 enables efficient virus replication                                                                                    | 30.964 | <a href="https://pubmed.ncbi.nlm.nih.gov/35637330/">https://pubmed.ncbi.nlm.nih.gov/35637330/</a>                                                                                                             | C0002  | phosphatase inhibitor cocktail                            |
| Nature Microbiology              | 36604514 | 2023, 8(1): 121-134.                             | Fluorogenic reporter enables identification of compounds that inhibit SARS-CoV-2                                                                                                                                | 30.964 | <a href="https://pubmed.ncbi.nlm.nih.gov/36604514/">https://pubmed.ncbi.nlm.nih.gov/36604514/</a>                                                                                                             | L6000  | A library of natural compounds containing 2,592 compounds |
| Advanced Materials               | 35315546 | 2022: 2109984                                    | Rapid Surface Display of mRNA Antigens by Bacteria-Derived Outer Membrane Vesicles for a Personalized Tumor Vaccine                                                                                             | 30.849 | <a href="https://pubmed.ncbi.nlm.nih.gov/35315546/">https://pubmed.ncbi.nlm.nih.gov/35315546/</a>                                                                                                             | T23171 | poly(l:C)                                                 |
| Science immunology               | 36821695 | 2023: eadf0348.                                  | Inhibition of the mitochondrial pyruvate carrier simultaneously mitigates hyperinflammation and hyperglycemia in COVID-19                                                                                       | 30.63  | <a href="https://pubmed.ncbi.nlm.nih.gov/36821695/">https://pubmed.ncbi.nlm.nih.gov/36821695/</a>                                                                                                             | T6791  | BPTES                                                     |
| Nature Immunology                | 38012418 | 2023: 1-15.                                      | A second-generation M1-polarized CAR macrophage with antitumor efficacy                                                                                                                                         | 30.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/38012418/">https://pubmed.ncbi.nlm.nih.gov/38012418/</a>                                                                                                             | T9901  | Adalimumab                                                |
| Nature Immunology                | 38177283 | 2024: 1-13.                                      | Carnosine regulation of intracellular pH homeostasis promotes lysosome-dependent tumor immunoevasion                                                                                                            | 30.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/38177283/">https://pubmed.ncbi.nlm.nih.gov/38177283/</a>                                                                                                             | T21992 | vacuolin-1                                                |
| Nature Immunology                | 38454157 | 2024: 1-11.                                      | The receptor binding domain of SARS-CoV-2 Omicron subvariants targets Siglec-9 to decrease its immunogenicity by preventing macrophage phagocytosis                                                             | 30.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/38454157/">https://pubmed.ncbi.nlm.nih.gov/38454157/</a>                                                                                                             | T1033  | Monensin                                                  |
| Circulation                      | 35189703 | 2022:145:675-687                                 | Ablation of Plasma Prekallikrein Decreases LDL Cholesterol by Stabilizing LDL Receptor and Protects against Atherosclerosis                                                                                     | 29.69  | <a href="https://pubmed.ncbi.nlm.nih.gov/35189703/">https://pubmed.ncbi.nlm.nih.gov/35189703/</a>                                                                                                             | T5370  | Dithiothreitol                                            |
| Journal of Hematology & Oncology | 39218923 | 2024, 17(1): 77.                                 | Novel potent molecular glue degraders against broad range of hematological cancer cell lines via multiple neosubstrates degradation                                                                             | 29.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/39218923/">https://pubmed.ncbi.nlm.nih.gov/39218923/</a>                                                                                                             | T0213  | Thalidomide                                               |
| Cancer Discovery                 | 33060108 | 2021, 11(3): 638-659.                            | Aggressive PDACs show hypomethylation of repetitive elements and the execution of an intrinsic IFN program linked to a ductal cell-of-origin                                                                    | 29.497 | <a href="https://cancerdiscovery.aacrjournals.org/content/early/2020/10/09/2159-8290.CD-20-1202.abstract">https://cancerdiscovery.aacrjournals.org/content/early/2020/10/09/2159-8290.CD-20-1202.abstract</a> |        |                                                           |
| Cell Metabolism                  | 37797623 | 2023                                             | High dietary fructose promotes hepatocellular carcinoma progression by enhancing O-GlcNAcylation via microbiota-derived acetate                                                                                 | 29     | <a href="https://pubmed.ncbi.nlm.nih.gov/37797623/">https://pubmed.ncbi.nlm.nih.gov/37797623/</a>                                                                                                             | C0001  | Protease Inhibitor Cocktail                               |
| Cell Metabolism                  | 38171332 | 2024, 36(1): 176-192. e10.                       | Mitochondrial isocitrate dehydrogenase impedes CAR T cell function by restraining antioxidant metabolism and histone acetylation                                                                                | 29     | <a href="https://pubmed.ncbi.nlm.nih.gov/38171332/">https://pubmed.ncbi.nlm.nih.gov/38171332/</a>                                                                                                             | L5300  | Mitochondria-Targeted Compound Library                    |
| Nature Cell Biology              | 37095322 | 2023: 1-13.                                      | PBRM1-deficient PBAF complexes target aberrant genomic loci to activate the NF-κB pathway in clear cell renal cell carcinoma                                                                                    | 28.213 | <a href="https://pubmed.ncbi.nlm.nih.gov/37095322/">https://pubmed.ncbi.nlm.nih.gov/37095322/</a>                                                                                                             | T10616 | BRM/BRG1 ATP Inhibitor-1                                  |
| Nature                           | 33762731 | 2021 Apr;592(7854):469-473. doi: 10.1038/s41586- | Structural insights into the lipid and ligand regulation of serotonin receptors                                                                                                                                 | 27.764 | <a href="https://pubmed.ncbi.nlm.nih.gov/33762731/">https://pubmed.ncbi.nlm.nih.gov/33762731/</a>                                                                                                             |        |                                                           |
| Cell Metabolism                  | 39243758 | 2024                                             | SGLT2 inhibitor promotes ketogenesis to improve MASH by suppressing CD8+ T cell activation                                                                                                                      | 27.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39243758/">https://pubmed.ncbi.nlm.nih.gov/39243758/</a>                                                                                                             | T4947  | 3-Hydroxybutyric acid                                     |
| Nature immunology                | 39358444 | 2024: 1-11.                                      | GPR34 is a metabolic immune checkpoint for ILC1-mediated antitumor immunity                                                                                                                                     | 27.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39358444/">https://pubmed.ncbi.nlm.nih.gov/39358444/</a>                                                                                                             | T6243  | U73122                                                    |
| Cell Metabolism                  | 39413790 | 2024                                             | Lighting up arginine metabolism reveals its functional diversity in physiology and pathology                                                                                                                    | 27.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39413790/">https://pubmed.ncbi.nlm.nih.gov/39413790/</a>                                                                                                             | T6116  | Bleomycin                                                 |
| Molecular Cancer                 | 39702289 | 2024, 23: 275.                                   | AI-based classification of anticancer drugs reveals nucleolar condensation as a predictor of immunogenicity                                                                                                     | 27.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39702289/">https://pubmed.ncbi.nlm.nih.gov/39702289/</a>                                                                                                             | T12006 | metarrestin                                               |
| Cell Metabolism                  | 39809284 | 2025                                             | Itaconate transporter SLC13A3 confers immunotherapy resistance via alkylation-mediated stabilization of PD-L1                                                                                                   | 27.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39809284/">https://pubmed.ncbi.nlm.nih.gov/39809284/</a>                                                                                                             | T2154  | MG132                                                     |
| Cell Metabolism                  | 39965563 | 2025                                             | Ergothioneine controls mitochondrial function and exercise performance via direct activation of MPST                                                                                                            | 27.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/39965563/">https://pubmed.ncbi.nlm.nih.gov/39965563/</a>                                                                                                             | L2501  | Human Endogenous Metabolite Compound library Plus         |
| Molecular Plant                  | 37897038 | 2023                                             | Synthetic biology identifies the minimal gene set required for Paclitaxel biosynthesis in a plant chassis                                                                                                       | 27.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/37897038/">https://pubmed.ncbi.nlm.nih.gov/37897038/</a>                                                                                                             | TN2540 | 1-hydroxybaccatin I                                       |

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| Molecular Cancer                  | 34983546 | 2022, 21(1): 1-17.          | CRISPR screens uncover protective effect of PSTK as a regulator of chemotherapy-induced ferroptosis in hepatocellular carcinoma                             | 27.401 | <a href="https://pubmed.ncbi.nlm.nih.gov/34983546/">https://pubmed.ncbi.nlm.nih.gov/34983546/</a>                                                               |         | Database from TargetMol                                                      |
| Advanced Materials                | 39988868 | 2025: 2414154.              | An Integrated Virtual Screening Platform to Identify Potent Co-Assembled Nanodrugs for Cancer Treatment                                                     | 27.4   | <a href="https://pubmed.ncbi.nlm.nih.gov/39988868/">https://pubmed.ncbi.nlm.nih.gov/39988868/</a>                                                               |         | a number of natural and synthetic molecules (>4000) with anticancer activity |
| Advanced Materials                | 39988868 | 202414154                   | An Integrated Virtual Screening Platform to Identify Potent Co-Assembled Nanodrugs for Cancer Treatment                                                     | 27.4   | <a href="https://pubmed.ncbi.nlm.nih.gov/39988868/">https://pubmed.ncbi.nlm.nih.gov/39988868/</a>                                                               | T74626  | BBR-BODIPY                                                                   |
| Nature Genetics                   | 30420648 | 2018, 50(12): 1666-1673.    | Cilia-driven cerebrospinal fluid flow directs expression of urotensin neuropeptides to straighten the vertebrate body axis                                  | 27.125 | <a href="https://pubmed.ncbi.nlm.nih.gov/30420648/">https://pubmed.ncbi.nlm.nih.gov/30420648/</a>                                                               | L1500   | GPCR Compound Library                                                        |
| Cancer Cell                       | pii      | 2020, 38(1): 115-128. e9.   | Selective Inhibition of STRN3-Containing PP2A Phosphatase Restores Hippo Tumor-Suppressor Activity in Gastric Cancer                                        | 26.602 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1535610820302695">https://www.sciencedirect.com/science/article/abs/pii/S1535610820302695</a>   | T3112   | Verteporfin                                                                  |
| Cancer Cell                       | pii      | 2020, 38(6): 872-890. e6.   | Reduced Mitochondrial Apoptotic Priming Drives Resistance to BH3 Mimetics in Acute Myeloid Leukemia                                                         | 26.602 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1535610820305419">https://www.sciencedirect.com/science/article/abs/pii/S1535610820305419</a>   | T6007   | Birinapant                                                                   |
| Journal of Extracellular Vesicles | 34035882 | 2021, 10(7): e12096.        | Perivascular cell-derived extracellular vesicles stimulate colorectal cancer revascularization after withdrawal of antiangiogenic drugs                     | 25.841 | <a href="https://pubmed.ncbi.nlm.nih.gov/34035882/">https://pubmed.ncbi.nlm.nih.gov/34035882/</a>                                                               | T1792   | regorafenib                                                                  |
| Journal of Hepatology             | 38679071 | 2024                        | Nucleolin lactylation contributes to intrahepatic cholangiocarcinoma pathogenesis via RNA splicing regulation of MADD                                       | 25.7   | <a href="https://pubmed.ncbi.nlm.nih.gov/38679071/">https://pubmed.ncbi.nlm.nih.gov/38679071/</a>                                                               | C0005   | CCK-8                                                                        |
| Nature Biomedical Engineering     | 35501399 | 2022: 1-12                  | Antigen-bearing outer membrane vesicles as tumour vaccines produced in situ by ingested genetically engineered bacteria                                     | 25.671 | <a href="https://pubmed.ncbi.nlm.nih.gov/35501399/">https://pubmed.ncbi.nlm.nih.gov/35501399/</a>                                                               | T0814L  | Ampicillin                                                                   |
| Cell Research                     | 30361550 | 2019, 29(1): 8-22           | Expansion and differentiation of human hepatocyte-derived liver progenitor-like cells and their use for the study of hepatotropic pathogens                 | 25.617 | <a href="https://pubmed.ncbi.nlm.nih.gov/30361550/">https://pubmed.ncbi.nlm.nih.gov/30361550/</a>                                                               | T1725   | Y27632                                                                       |
| Cell Research                     | 30651583 | 2019, 29(3): 193-205        | Virus-induced accumulation of intracellular bile acids activates the TGR5- $\beta$ -arrestin-SRC axis to enable innate antiviral immunity                   | 25.617 | <a href="https://pubmed.ncbi.nlm.nih.gov/30651583/">https://pubmed.ncbi.nlm.nih.gov/30651583/</a>                                                               | T1448L  | Dasatinib monohydrate                                                        |
| Cell Research                     | 10.1101  | 2021, 31(9): 1036-1038.     | Structural basis for recognition of anti-migraine drug lasmiditan by the serotonin receptor 5-HT1F-G protein complex                                        | 25.617 | <a href="https://www.biorxiv.org/content/10.1101/2021.05.29.446083v1.abstract">https://www.biorxiv.org/content/10.1101/2021.05.29.446083v1.abstract</a>         | T3704   | lasmiditan                                                                   |
| Cell Research                     | 33742150 | 2021, 31(8): 929-931.       | Molecular basis of ligand recognition and activation of human V2 vasopressin receptor                                                                       | 25.617 | <a href="https://pubmed.ncbi.nlm.nih.gov/33742150/">https://pubmed.ncbi.nlm.nih.gov/33742150/</a>                                                               | C0001   | protease inhibitor cocktail                                                  |
| Cell Research                     | 35352032 | 2022-32 (7) P1-4            | The structure of erastin-bound xCT-4F2hc complex reveals molecular mechanisms underlying erastin-induced ferroptosis                                        | 25.617 | <a href="https://pubmed.ncbi.nlm.nih.gov/35352032/">https://pubmed.ncbi.nlm.nih.gov/35352032/</a>                                                               | T6512   | Geneticin sulfate                                                            |
| Cell Research                     | 35365755 | 2022: 1-3                   | Structural insights into ligand binding and activation of the human thyrotropin-releasing hormone                                                           | 25.617 | <a href="https://pubmed.ncbi.nlm.nih.gov/35365755/">https://pubmed.ncbi.nlm.nih.gov/35365755/</a>                                                               | C0001   | Protease Inhibitor Cocktail                                                  |
| Cell Stem Cell                    | 36265493 | 2022                        | Glioblastoma stem cell-specific histamine secretion drives pro-angiogenic tumor microenvironment remodeling                                                 | 25.269 | <a href="https://pubmed.ncbi.nlm.nih.gov/36265493/">https://pubmed.ncbi.nlm.nih.gov/36265493/</a>                                                               | T0445L  | Promethazine hydrochloride                                                   |
| Journal of Hepatology             | 33197513 | 2021, 74(4): 893-906.       | ADAMTSL5 is an epigenetically activated gene underlying tumorigenesis and drug resistance in hepatocellular carcinoma                                       | 25.083 | <a href="https://pubmed.ncbi.nlm.nih.gov/33197513/">https://pubmed.ncbi.nlm.nih.gov/33197513/</a>                                                               | T1661   | Crizotinib                                                                   |
| Cell Stem Cell                    | 29625068 | 2018, 22(4): 529-542. e5    | Chromatin accessibility dynamics during chemical induction of pluripotency                                                                                  | 24.633 | <a href="https://pubmed.ncbi.nlm.nih.gov/29625068/">https://pubmed.ncbi.nlm.nih.gov/29625068/</a>                                                               | T1788   | EPZ6438                                                                      |
| Cell Stem Cell                    | 35395187 | 2022 Apr 29(4) 545–558      | A small-molecule cocktail promotes mammalian cardiomyocyte proliferation and heart regeneration                                                             | 24.633 | <a href="https://pubmed.ncbi.nlm.nih.gov/35395187/">https://pubmed.ncbi.nlm.nih.gov/35395187/</a>                                                               |         | 11,000 small-molecule compounds                                              |
| Gut                               | 无        | 2023                        | Integrative multiomics enhancer activity profiling identifies therapeutic vulnerabilities in cholangiocarcinoma of different etiologies                     | 24.5   | <a href="https://gut.bmj.com/content/early/2023/11/23/gutjnl-2023-330483.abstract">https://gut.bmj.com/content/early/2023/11/23/gutjnl-2023-330483.abstract</a> | T1537   | Rapamycin                                                                    |
| Drug Resistance Updates           | 无        | 2024: 101057.               | MAFF Confers Vulnerability to Cisplatin-based and Ionizing Radiation Treatments by Modulating Ferroptosis and Cell Cycle Progression in Lung Adenocarcinoma | 24.3   | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1368764624000153">https://www.sciencedirect.com/science/article/abs/pii/S1368764624000153</a>   | /       | Protease and phosphatase inhibitors                                          |
| Cellular & Molecular Immunology   | 37828081 | 2023: 1-14.                 | A de novo missense mutation in MPP2 confers an increased risk of Vogt–Koyanagi–Harada disease as shown by trio-based whole-exome sequencing                 | 24.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/37828081/">https://pubmed.ncbi.nlm.nih.gov/37828081/</a>                                                               | C0005   | CCK-8                                                                        |
| Cellular & Molecular Immunology   | 38267694 | 2024: 1-17.                 | Disulfiram ameliorates STING/MITA-dependent inflammation and autoimmunity by targeting                                                                      | 24.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/38267694/">https://pubmed.ncbi.nlm.nih.gov/38267694/</a>                                                               | T1829   | Ruxolitinib                                                                  |
| Nature Cancer                     | 39910249 | 2025: 1-14.                 | FLASH radiation reprograms lipid metabolism and macrophage immunity and sensitizes medulloblastoma to CAR-T cell therapy                                    | 23.5   | <a href="https://pubmed.ncbi.nlm.nih.gov/39910249/">https://pubmed.ncbi.nlm.nih.gov/39910249/</a>                                                               | T5363   | TEMPO                                                                        |
| Cancer Cell                       | 30645971 | 2019, 35(1): 125-139. e9    | The ERBB-STAT3 axis drives Tasmanian devil facial tumor disease                                                                                             | 22.844 | <a href="https://pubmed.ncbi.nlm.nih.gov/30645971/">https://pubmed.ncbi.nlm.nih.gov/30645971/</a>                                                               | L1600   | Kinase Inhibitor Library                                                     |
| Immunity                          | pii      | 2021, 54(6): 1200-1218. e9. | Uncoupling of macrophage inflammation from self-renewal modulates host recovery from respiratory viral infection                                            | 22.553 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1074761321001382">https://www.sciencedirect.com/science/article/abs/pii/S1074761321001382</a>   | T3494   | LW6                                                                          |
| Immunity                          | 34107271 | 2021, 54(6): 1123-1136. e8. | GPR34-mediated sensing of lysophosphatidylserine released by apoptotic neutrophils activates type 3 innate lymphoid cells to mediate tissue repair          | 22.553 | <a href="https://pubmed.ncbi.nlm.nih.gov/34107271/">https://pubmed.ncbi.nlm.nih.gov/34107271/</a>                                                               | T6243   | PLC inhibitor U73122                                                         |
| Cell Metabolism                   | pii      | 2020-31(3) 534-548          | Reducing Hypothalamic Stem Cell Senescence Protects against Aging-Associated Physiological Decline                                                          | 22.415 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1550413120300024">https://www.sciencedirect.com/science/article/abs/pii/S1550413120300024</a>   | T650221 | Eriocitrin                                                                   |
| Cellular & Molecular Immunology   | 39030423 | 2024: 1-14.                 | GPR34 senses demyelination to promote neuroinflammation and pathologies                                                                                     | 21.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/39030423/">https://pubmed.ncbi.nlm.nih.gov/39030423/</a>                                                               | T6243   | U73122                                                                       |
| Cellular & Molecular Immunology   | 39496854 | 2024: 1-17.                 | Targeting GSDME-mediated macrophage polarization for enhanced antitumor immunity in hepatocellular carcinoma                                                | 21.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/39496854/">https://pubmed.ncbi.nlm.nih.gov/39496854/</a>                                                               | T1751   | Eliprodil                                                                    |
| Immunity                          | pii      | 2020, 52(4): 620-634. e6.   | Lipid-Droplet Formation Drives Pathogenic Group 2 Innate Lymphoid Cells in Airway Inflammation                                                              | 21.522 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1074761320301163">https://www.sciencedirect.com/science/article/abs/pii/S1074761320301163</a>   | T6365   | A922500                                                                      |
| Nature Cell Biology               | 37488437 | 2023: 1-12.                 | The formation of migrasomes is initiated by the assembly of sphingomyelin synthase 2 foci at the leading edge of migrating cells                            | 21.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/37488437/">https://pubmed.ncbi.nlm.nih.gov/37488437/</a>                                                               | T7263   | SMS2-IN-2                                                                    |
| Nature Cell Biology               | 38168770 | 2024: 1-14.                 | Gut microbial metabolite facilitates colorectal cancer development via ferroptosis inhibition                                                               | 21.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38168770/">https://pubmed.ncbi.nlm.nih.gov/38168770/</a>                                                               | T0054   | disulfiram                                                                   |
| Nature Cell Biology               | 38321204 | 2024: 1-14.                 | SHP-1 inhibition targets leukaemia stem cells to restore immunosurveillance and enhance chemosensitivity by metabolic reprogramming                         | 21.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38321204/">https://pubmed.ncbi.nlm.nih.gov/38321204/</a>                                                               | C0001   | protease inhibitor cocktail                                                  |
| Nature Cell Biology               | 38714852 | 2024: 1-15.                 | Mammalian IRE1 $\alpha$ dynamically and functionally coalesces with stress granules                                                                         | 21.3   | <a href="https://pubmed.ncbi.nlm.nih.gov/38714852/">https://pubmed.ncbi.nlm.nih.gov/38714852/</a>                                                               | T6363   | 4 $\mu$ 8C                                                                   |
| Protein & Cell                    | 38518087 | 2024: pwae015.              | Engineered extracellular vesicles enable high-efficient delivery of intracellular therapeutic                                                               | 21.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/38518087/">https://pubmed.ncbi.nlm.nih.gov/38518087/</a>                                                               | C0001   | protease inhibitors                                                          |
| Protein & Cell                    | 38752989 | 2024: pwae030.              | IL-24 promotes atopic dermatitis-like inflammation through driving MRSA-induced allergic responses                                                          | 21.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/38752989/">https://pubmed.ncbi.nlm.nih.gov/38752989/</a>                                                               | C0001   | protease inhibitor cocktail                                                  |
| Materials Today                   | 无        | 2024                        | A bioorthogonal probiotic platform spatiotemporally releases nanobodies in deep tumor for cancer chemioimmunotherapy                                        | 21.1   | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1369702124002049">https://www.sciencedirect.com/science/article/abs/pii/S1369702124002049</a>   | C0005   | CCK-8                                                                        |
| Materials Today                   | /        | 2024                        | Thermal-triggered mitochondrial oxidative phosphorylation-enhanced nanodrug sensitizes cuproptosis with amplified anti-tumor immunity                       | 21.1   | <a href="https://www.sciencedirect.com/science/article/abs/pii/S136970212400244X">https://www.sciencedirect.com/science/article/abs/pii/S136970212400244X</a>   | /       | PCD-related drugs                                                            |
| Blood                             | 39693613 | 2024                        | Mutations in AMBRA1 aggravate $\beta$ -thalassaemia by impairing autophagy-mediated clearance of free $\alpha$ -globin                                      | 21     | <a href="https://pubmed.ncbi.nlm.nih.gov/39693613/">https://pubmed.ncbi.nlm.nih.gov/39693613/</a>                                                               | T1537   | Rap                                                                          |
| Nature Metabolism                 | 37667133 | 2023: 1-22.                 | ENO2-derived phosphoenolpyruvate functions as an endogenous inhibitor of HDAC1 and confers resistance to antiangiogenic therapy                             | 20.8   | <a href="https://pubmed.ncbi.nlm.nih.gov/37667133/">https://pubmed.ncbi.nlm.nih.gov/37667133/</a>                                                               | T1792   | Regorafenib                                                                  |
| Journal of Medical Virology       | 36424728 | 2022                        | Production of a versatile SARS-CoV-2 main protease biosensor based on a dimerization-dependent red fluorescent protein                                      | 20.693 | <a href="https://pubmed.ncbi.nlm.nih.gov/36424728/">https://pubmed.ncbi.nlm.nih.gov/36424728/</a>                                                               | T9351   | Nirmatrelvir                                                                 |
| Journal of Medical Virology       | 36861654 | 2023                        | Genetic variety of ORF3a shapes SARS-CoV-2 fitness through modulation of lipid droplet                                                                      | 20.693 | <a href="https://pubmed.ncbi.nlm.nih.gov/36861654/">https://pubmed.ncbi.nlm.nih.gov/36861654/</a>                                                               | T6365   | A922500                                                                      |
| Cell Host & Microbe               | 39084229 | 2024                        | A human commensal-pathogenic fungus suppresses host immunity via targeting TBK1                                                                             | 20.6   | <a href="https://pubmed.ncbi.nlm.nih.gov/39084229/">https://pubmed.ncbi.nlm.nih.gov/39084229/</a>                                                               | T5540   | GSK8612                                                                      |
| Cell Host & Microbe               | 39706182 | 2024                        | Roseburia intestinalis-derived butyrate alleviates neuropathic pain                                                                                         | 20.6   | <a href="https://pubmed.ncbi.nlm.nih.gov/39706182/">https://pubmed.ncbi.nlm.nih.gov/39706182/</a>                                                               | T0832   | Vancomycin hydrochloride                                                     |
| Cell Host & Microbe               | 39740671 | 2024                        | Identification of a broad-inhibition influenza neuraminidase antibody from pre-existing memory B cells                                                      | 20.6   | <a href="https://pubmed.ncbi.nlm.nih.gov/39740671/">https://pubmed.ncbi.nlm.nih.gov/39740671/</a>                                                               | T1486   | Oseltamivir phosphate                                                        |

|                       |          |                                                     |                                                                                                                                                                                      |        |                                                                                                                                                       |       |                              |
|-----------------------|----------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------|
| Science bulletin      | 33318880 | 2021 May 15;66(9):925-936. doi: 10.1016/j.scib.2020 | Protoporphyrin IX and verteporfin potently inhibit SARS-CoV-2 infection in vitro and in a mouse model expressing human ACE2                                                          | 20.577 | <a href="https://pubmed.ncbi.nlm.nih.gov/33318880/">https://pubmed.ncbi.nlm.nih.gov/33318880/</a>                                                     | 0     |                              |
| Science Bulletin      | 无        | 2022                                                | Antiviral drug design based on structural insights into the N-terminal domain and C-terminal domain of the SARS-CoV-2 nucleocapsid protein                                           | 20.577 | <a href="https://www.sciencedirect.com/science/article/pii/S2095927322004819">https://www.sciencedirect.com/science/article/pii/S2095927322004819</a> |       | small molecule compounds     |
| Cell Research         | 32884139 | 2021, 31(1): 52-61                                  | Molecular basis for ligand activation of the human KCNQ2 channel                                                                                                                     | 20.507 | <a href="https://pubmed.ncbi.nlm.nih.gov/32884139/">https://pubmed.ncbi.nlm.nih.gov/32884139/</a>                                                     |       | ztz240                       |
| Cell Research         | articles | 2020, 30(11): 966-979.                              | Manganese is critical for antitumor immune responses via cGAS-STING and improves the efficacy of clinical immunotherapy                                                              | 20.507 | <a href="https://www.nature.com/articles/s41422-020-00395-4">https://www.nature.com/articles/s41422-020-00395-4</a>                                   | T0707 | Cyclophosphamide monohydrate |
| Cancer Communications | 39221971 | 2024                                                | Tryptophan 2, 3-dioxygenase-positive matrix fibroblasts fuel breast cancer lung metastasis via kynurenine-mediated ferroptosis resistance of metastatic cells and T cell dysfunction | 20.1   | <a href="https://pubmed.ncbi.nlm.nih.gov/39221971/">https://pubmed.ncbi.nlm.nih.gov/39221971/</a>                                                     | T2376 | liproxstatin-1               |