Resource Summary Report

Generated by NIF on Aug 3, 2026

Zinc

RRID:SCR_008596
Type: Tool

Proper Citation

Zinc (RRID:SCR_008596)

Resource Information

URL: http://blaster.docking.org/zinc/

Proper Citation: Zinc (RRID:SCR_008596)

Description: Welcome to ZINC, a free database of commercially-available compounds for virtual screening. ZINC contains over 13 million purchasable compounds in ready-to-dock, 3D formats. ZINC is provided by the Shoichet Laboratory in the Department of Pharmaceutical Chemistry at the University of California, San Francisco (UCSF). To cite ZINC, please reference: Irwin and Shoichet, J. Chem. Inf. Model. 2005;45(1):177-82 PDF, DOI. We thank NIGMS for financial support (GM71896). There are release notes for ZINC 10. - We have a survey where you can give us feedback.

Synonyms: Zinc

Resource Type: data or information resource, database

Keywords: FASEB list

Resource Name: Zinc

Resource ID: SCR_008596

Alternate IDs: r3d100010372, nif-0000-31930

Alternate URLs: https://doi.org/10.17616/R3JG77, https://doi.org/10.17616/R3JG77

Record Creation Time: 20220129T080248+0000

Record Last Update: 20260804T043407+0000

Ratings and Alerts

No rating or validation information has been found for Zinc.

No alerts have been found for Zinc.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 994 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

de Araujo Neto MF, et al. (2026) Development of a Novel Aedes aegypti Repellent: An Integrated Approach Combining In Silico and Bioassays. Chemistry & biodiversity, 23(1), e01251.

Talo M, et al. (2025) Top-DTI: Integrating Topological Deep Learning and Large Language Models for Drug Target Interaction Prediction. bioRxiv : the preprint server for biology.

Floresta G, et al. (2025) Xylazine as an emerging new psychoactive substance; focuses on both 5-HT7 and ?-opioid receptors' molecular interactions and isosteric replacement. Archiv der Pharmazie, 358(3), e2500041.

Guo J, et al. (2025) Directly optimizing for synthesizability in generative molecular design using retrosynthesis models. Chemical science, 16(16), 6943.

Sakari M, et al. (2025) ADP-ribosyltransferase-based biocatalysis of nonhydrolyzable NAD+ analogs. The Journal of biological chemistry, 301(1), 108106.

Hayek-Orduz Y, et al. (2025) dyphAI dynamic pharmacophore modeling with AI: a tool for efficient screening of new acetylcholinesterase inhibitors. Frontiers in chemistry, 13, 1479763.

Ongtanasup T, et al. (2025) Developing Novel Beta-Secretase Inhibitors in a Computer Model as a Possible Treatment for Alzheimer's Disease. Advances in pharmacological and pharmaceutical sciences, 2025, 5528793.

Yu H, et al. (2025) PerturbNet predicts single-cell responses to unseen chemical and genetic perturbations. Molecular systems biology, 21(8), 960.

Zhou ZX, et al. (2025) Generation of SARS-CoV-2 dual-target candidate inhibitors through 3D equivariant conditional generative neural networks. Journal of pharmaceutical analysis, 15(6), 101229.

Luo L, et al. (2025) Complete biosynthesis of the fungal alkaloid zinnimidine: Biochemical insights into the isoindolinone core formation. The Journal of biological chemistry, 301(7), 110319.

Haddad R, et al. (2025) Targeted molecular generation with latent reinforcement learning. Scientific reports, 15(1), 15202.

Yang Y, et al. (2025) DiffMC-Gen: A Dual Denoising Diffusion Model for Multi-Conditional Molecular Generation. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(22), e2417726.

Rothman AMK, et al. (2025) Therapeutic potential of allosteric HECT E3 ligase inhibition. Cell, 188(10), 2603.

Su A, et al. (2025) Linker-GPT: design of Antibody-drug conjugates linkers with molecular generators and reinforcement learning. Scientific reports, 15(1), 20525.

Shorog E, et al. (2025) Targeting tryparedoxin-dependent peroxidase (TXNPx) enzyme to identify repurposing drug candidates from FDA-approved drugs and natural products using virtual screening, ADME/Tox and MD simulations. Biochemistry and biophysics reports, 43, 102096.

Patil PA, et al. (2025) Structure based drug design and machine learning approaches for identifying natural inhibitors against the human ??III tubulin isotype. Scientific reports, 15(1), 32716.

Gao W, et al. (2025) Generative AI for navigating synthesizable chemical space. Proceedings of the National Academy of Sciences of the United States of America, 122(41), e2415665122.

Fong P, et al. (2025) In Silico identification and modelling of FDA-approved drugs targeting T-type calcium channels. PloS one, 20(8), e0327386.

da Silva MC, et al. (2025) In silico target identification and pharmacokinetic profiling of 2-aryl-quinoline-4-carboxylic acid derivatives as potential antileishmanial agents. Frontiers in pharmacology, 16, 1621059.

Embaby EM, et al. (2025) Co-administration of Spirulina and L-carnitine preserves ovarian reserve in a rat model of premature ovarian insufficiency via SIRT1 regulation of oxidative stress, inflammation, and apoptosis. Scientific reports, 15(1), 32527.