Resource Summary Report

Generated by RRID on Aug 4, 2026

StarDrop

RRID:SCR_014902
Type: Tool

Proper Citation

StarDrop (RRID:SCR_014902)

Resource Information

URL: http://www.optibrium.com/stardrop/index.php

Proper Citation: StarDrop (RRID:SCR_014902)

Description: Software toolkit for drug design and discovery, including plugins for in silico compound optimization, compound selection and integration into other databases.

Resource Type: software resource, software application

Keywords: drug discovery, in silico compound optimization, pharmacology, database, integration, FASEB list

Availability: Commercial

Resource Name: StarDrop

Resource ID: SCR_014902

License: Available licenses include site licenses, floating licenses and fixed licenses.

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260801T191106+0000

Ratings and Alerts

No rating or validation information has been found for StarDrop.

No alerts have been found for StarDrop.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 54 mentions in open access literature.

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

Zhou B, et al. (2025) Structure-Based Analysis of Semisynthetic Anti-TB Rufomycin Analogues. Journal of natural products, 88(4), 907.

Erlitz KS, et al. (2025) Piperazine-based P2X4 receptor antagonists. Archiv der Pharmazie, 358(1), e2400860.

Zhang X, et al. (2025) Identification of Epinastine as CD96/PVR inhibitor for cancer immunotherapy. BMC biology, 23(1), 27.

Hathi P, et al. (2025) Extracellular adenosine deamination primes tip organizer development in Dictyostelium. eLife, 14.

Attwa MW, et al. (2024) Characterization of the in vitro metabolic profile of nazartinib in HLMs using UPLC-MS/MS method: In silico metabolic lability and DEREK structural alerts screening using StarDrop software. Heliyon, 10(13), e34109.

Pai R, et al. (2024) Computational investigation of naturally occurring anticancer agents in regulating Hedgehog pathway proteins. PloS one, 19(12), e0311307.

Watson SJ, et al. (2024) The Tuberculosis Drug Candidate SQ109 and Its Analogs Have Multistage Activity against Plasmodium falciparum. ACS infectious diseases, 10(9), 3358.

Wu K, et al. (2024) TamGen: drug design with target-aware molecule generation through a chemical language model. Nature communications, 15(1), 9360.

Attwa MW, et al. (2024) Assessment of the in vitro metabolic stability of CEP-37440, a selective FAK/ALK inhibitor, in HLMs using fast UPLC-MS/MS method: in silico metabolic lability and DEREK alerts screening. Frontiers in chemistry, 12, 1323738.

Alsibaee AM, et al. (2024) Ion Trap LC/MS reveals the generation of reactive intermediates in acalabrutinib metabolism: phase I metabolic profiling and bioactivation pathways elucidation. RSC advances, 14(23), 16170.

Bai YB, et al. (2023) Virtual Screening and In Vitro Experimental Verification of LuxS Inhibitors for Escherichia coli O157:H7. Microbiology spectrum, 11(2), e0350222.

Attwa MW, et al. (2023) Rapid LC-MS/MS Bosutinib Quantification with Applications in Metabolic Stability Estimation. Molecules (Basel, Switzerland), 28(4).

Attwa MW, et al. (2023) Assessment of In Silico and In Vitro Selpercatinib Metabolic Stability in Human Liver Microsomes Using a Validated LC-MS/MS Method. Molecules (Basel, Switzerland), 28(6).

Alsibaee AM, et al. (2023) Investigation of Fenebrutinib Metabolism and Bioactivation Using MS3 Methodology in Ion Trap LC/MS. Molecules (Basel, Switzerland), 28(10).

Liu Y, et al. (2022) Discovery of Chitin Deacetylase Inhibitors through Structure-Based Virtual Screening and Biological Assays. Journal of microbiology and biotechnology, 32(4), 504.

Gierse RM, et al. (2022) First crystal structures of 1-deoxy-D-xylulose 5-phosphate synthase (DXPS) from Mycobacterium tuberculosis indicate a distinct mechanism of intermediate stabilization. Scientific reports, 12(1), 7221.

Flint AL, et al. (2022) Modified Curcumins as Potential Drug Candidates for Breast Cancer: An Overview. Molecules (Basel, Switzerland), 27(24).

Wang X, et al. (2021) A novel screening strategy of anti-SARS-CoV-2 drugs via blocking interaction between Spike RBD and ACE2. Environment international, 147, 106361.

Shi W, et al. (2021) Hyperactivation of HER2-SHCBP1-PLK1 axis promotes tumor cell mitosis and impairs trastuzumab sensitivity to gastric cancer. Nature communications, 12(1), 2812.

Attwa MW, et al. (2021) LC-MS/MS Estimation of Rociletinib Levels in Human Liver Microsomes: Application to Metabolic Stability Estimation. Drug design, development and therapy, 15, 3915.