

Resource Summary Report

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SPARTAN

RRID:SCR_014901

Type: Tool

Proper Citation

SPARTAN (RRID:SCR_014901)

Resource Information

URL: <http://www.wavefun.com/>

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Description: Software program for determining molecular structure and calculating chemical properties. It has a graphical interface and accurate computational models that are compatible with the iPad, iPhone and iPod Touch. When combined with the Spartan'16 Parallel Suite, this enables the first fully-functional open-ended molecular modeling environment on popular mobile technology.

Resource Type: software application, software resource

Keywords: molecular structure, chemical properties, modeling, mobile technology, integration

Availability: Commercial

Resource Name: SPARTAN

Resource ID: SCR_014901

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260905T133259+0000

Ratings and Alerts

No rating or validation information has been found for SPARTAN.

No alerts have been found for SPARTAN.

Data and Source Information

Usage and Citation Metrics

We found 566 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

López-Alfonzo E, et al. (2026) Substrate-interacting pore loops of two ATPase subunits determine the degradation efficiency of the 26S proteasome. *Nature communications*, 17(1).

Bernhard SM, et al. (2026) Mechanistic insights into the therapeutic properties of delta opioid receptor. *Science advances*, 12(13), eaeb6737.

Isuri RK, et al. (2026) Low molecular weight 4,4'-quinocyanines for in vivo NIR-II fluorescence imaging. *Npj imaging*, 4(1).

Hussien H, et al. (2026) Preparation, molecular docking, and biological evaluation of radioiodinated cefaclor for inflammation detection. *BMC pharmacology & toxicology*, 27(1).

Hillman PF, et al. (2026) Four new hydroxyl fatty acids, gambaoic acids A-C and gambaoic B methyl ester, from Shrimp Jeotgal-derived *Bacillus* sp. SNB-066. *The Journal of antibiotics*, 79(6), 359.

Wu Q, et al. (2026) Multimodal dynamics control activity of a glial glutamate transporter. *bioRxiv : the preprint server for biology*.

Shen S, et al. (2026) Mechanisms of human mitochondrial leaderless mRNA translation initiation. *Nature communications*, 17(1).

Gor K, et al. (2026) Functional characterization of dynamic nascent RNA folding ensembles in real time. *Science advances*, 12(12), eaec4037.

Xu W, et al. (2026) Distinct allosteric remodeling of HIV-1 Env dynamics on virions by gp41-directed antibodies reveals two modes of neutralization. *bioRxiv : the preprint server for biology*.

Wei W, et al. (2026) Targeted Inactivation of an α/β Hydrolase Gene Enables Discovery of Heterodimeric Nenestatins. *Marine drugs*, 24(3).

Martini PRR, et al. (2026) Losartan API and Nitrosamines Impurities-Stability Profile Investigation Using HPLC, LC-MS, and In Silico Assessment. *Journal of separation science*, 49(5), e70438.

Curran TP, et al. (2026) Copper-Mediated Trimerization of Diazo peptides Generates Peptide Derivatives of Cis- and Trans-Aconitic Acid That Adopt Folded Structures. *The Journal of organic chemistry*, 91(23), 8045.

Hosseini M, et al. (2026) Nucleo-amino acid derived AMO as a potential JAK inhibitor: machine learning screening, docking, molecular dynamics, ADMET/toxicity, and MM-

PBSA analysis. Current research in structural biology, 12, 100191.

da Silva MAE, et al. (2026) Cafestol-derivatives as potential FXR agonists and CYP7A1 inhibitors and their impact on hypercholesterolemia: an in silico study. Scientific reports, 16(1), 7102.

Santos AR, et al. (2026) Isolation, Identification, and Total Synthesis of Pyranoquinolinone Alkaloids from *Conchocarpus mastigophorus* Kallunki (Rutaceae). Journal of natural products, 89(2), 492.

?ahin K, et al. (2026) Structure-activity modeling and hybrid machine learning-based prediction of bioactivity in pyrazole derivatives for drug discovery applications. Turkish journal of biology = Turk biyoloji dergisi, 50(1), 37.

Nandurbarkar S, et al. (2026) SPARTAN: automated table detection and extraction from documents using advanced OpenCV heuristics and OCR techniques. Scientific reports, 16(1).

Ziebarth BD, et al. (2026) Control of site-specific deprotonation through mechanochemical interconversion of two ionic cocrystal forms of resveratrol. Journal of materials chemistry. B, 14(12), 3814.

Imahori D, et al. (2026) Three new terpenoids from the fruit peels of *Citrus Hassaku* Yu.Tanaka. Journal of natural medicines, 80(1), 230.

Kiselev R, et al. (2026) Parallel stopped-flow interrogation of diverse biological systems at the single-molecule scale. Nature methods, 23(1), 78.