

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

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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 534 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Xiao Z, et al. (2025) New Polyketide and Butenolide Derivatives from the Mangrove Fungus *Aspergillus spelaesus* SCSIO 41433. *Marine drugs*, 23(6).

Kruse SJ, et al. (2025) Effects of Ionizing Radiation on Halogen-Bonded Dipyriddy-Naphthalenediimide Cocrystals. *Crystal growth & design*, 25(13), 4968.

Lan W, et al. (2025) Discovery of a Hepatoprotective Trinor-Sesterterpenoid from the Marine Fungus *Talaromyces* sp. Against Hepatic Ischemia-Reperfusion Injury. *Marine drugs*, 23(8).

Ren Y, et al. (2025) Black carbon emissions generally underestimated in the global south as revealed by globally distributed measurements. *Nature communications*, 16(1), 7010.

Thakur B, et al. (2025) Conformational trajectory of the HIV-1 fusion peptide during CD4-induced envelope opening. *Nature communications*, 16(1), 4595.

Li X, et al. (2025) New Polyketides from a Marine Sponge-Derived Fungus, *Neopestalotiopsis* sp., with Anti-Renal Fibrosis Activity. *Marine drugs*, 23(4).

Atta AM, et al. (2025) New recycled polyethylene terephthalate imidazolium ionic liquids and their applications for CO₂ exhaust capture. *Scientific reports*, 15(1), 30378.

Zanin J, et al. (2025) Diffusion-Weighted Magnetic Resonance Imaging: A Diagnostic Tool for Auditory (Axonal) Neuropathy. *European journal of neurology*, 32(2), e70083.

Thiruchenthooran V, et al. (2025) Anticancer Activity of Phospholipid-Dexibuprofen Conjugates Loaded in Nanostructured Lipid Carriers. *International journal of nanomedicine*, 20, 6999.

Al-Qiam RA, et al. (2025) Beyond Monomers: Discovery of Bioactive Naphthoquinone Heterodimers and Perenniporides from *Pyrenochaetopsis* Species. *Journal of natural products*, 88(12), 2968.

Sánchez-Martínez HA, et al. (2025) Structure Revision of Pyranoxanones via DFT-Assisted ¹³C NMR Analysis and NAPROC-13 Platform: Diagnostic Markers and Discovery of Unreported Natural Products. *The Journal of organic chemistry*, 90(49), 17240.

Hosseini M, et al. (2025) Computational and experimental design of L-amino acid-based alternatives to ketorolac. *Scientific reports*, 15(1), 42161.

Qureshi NS, et al. (2025) Tracking transcription-translation coupling in real time. *Nature*, 637(8045), 487.

Qi S, et al. (2025) Drimane-type sesquiterpenoids and triterpenoids from the whole plant of *Limonium sinense* with their antiproliferative and anti-inflammatory activities. *RSC advances*, 15(2), 1220.

Ameji PJ, et al. (2025) Virtual screening, in silico pharmacokinetic and toxicity profiling of colchicine-based inhibitors of estrogen receptor of breast cancer. *Toxicology reports*, 14, 101926.

Ni X, et al. (2025) Development and validation of a machine learning-based risk model for metastatic disease in nmCRPC patients: a tumor marker prognostic study. *International journal of surgery (London, England)*, 111(5), 3331.

Yang H, et al. (2025) Metabolic Blockade-Based Genome Mining of *Malbranchea circinata* SDU050: Discovery of Diverse Secondary Metabolites. *Marine drugs*, 23(1).

Gao H, et al. (2025) A unique mechanism involving cocatalysis of enzyme and nonenzyme to form γ -carboline and spirotryprostatins in *Aspergillus fumigatus*. *Science advances*, 11(41), eadz2319.

Adekunle DO, et al. (2025) Antifungal activities of *Morinda lucida* root extracts against *Lasiodiplodia theobromae* for post harvest disease management. *Scientific reports*, 15(1), 43596.

Kim M, et al. (2025) The Anti-Inflammatory Activities of Benzylideneacetophenone Derivatives in LPS Stimulated BV2 Microglia Cells and Mice. *Biomolecules & therapeutics*, 33(1), 106.