# **Resource Summary Report**

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# **GOLD**

RRID:SCR\_000188

Type: Tool

## **Proper Citation**

GOLD (RRID:SCR\_000188)

#### **Resource Information**

**URL:** <a href="http://www.ccdc.cam.ac.uk/Solutions/GoldSuite/Pages/GOLD.aspx">http://www.ccdc.cam.ac.uk/Solutions/GoldSuite/Pages/GOLD.aspx</a>

**Proper Citation:** GOLD (RRID:SCR\_000188)

**Description:** A software for virtual screening and identifying the binding mode of active molecules. It is comprehensively validated, widely used, and allows for high database enrichments. The software utilizes a novel methodology which avoids computationally expensive sequential docking of ligands into multiple protein structures.

Abbreviations: GOLD

**Resource Type:** software resource

**Keywords:** virtual screening, binding, active molecules, ligand-protein bonding, computation,

protein structures, lead optimization

Funding:

Availability: Public, Open Source

Resource Name: GOLD

Resource ID: SCR\_000188

Alternate IDs: OMICS\_01602

**License URLs:** http://www.ccdc.cam.ac.uk/TermsAndConditions/

**Record Creation Time:** 20220129T080200+0000

**Record Last Update:** 20250420T013933+0000

## **Ratings and Alerts**

No rating or validation information has been found for GOLD.

No alerts have been found for GOLD.

### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 18 mentions in open access literature.

**Listed below are recent publications.** The full list is available at <u>dkNET</u>.

Kelly G, et al. (2024) Suppressed basal mitophagy drives cellular aging phenotypes that can be reversed by a p62-targeting small molecule. Developmental cell, 59(15), 1924.

Bandopadhyay S, et al. (2023) Oncogene-mediated nuclear accumulation of lactate promotes epigenetic alterations to induce cancer cell proliferation. Journal of cellular biochemistry, 124(4), 495.

Aboulkassim T, et al. (2023) A NRF2 inhibitor selectively sensitizes KEAP1 mutant tumor cells to cisplatin and gefitinib by restoring NRF2-inhibitory function of KEAP1 mutants. Cell reports, 42(9), 113104.

Helsen C, et al. (2022) Exploiting Ligand-binding Domain Dimerization for Development of Novel Androgen Receptor Inhibitors. Molecular cancer therapeutics, 21(12), 1823.

Bampali K, et al. (2022) Tricyclic antipsychotics and antidepressants can inhibit ?5-containing GABAA receptors by two distinct mechanisms. British journal of pharmacology, 179(14), 3675.

Hackl B, et al. (2022) The Bradycardic Agent Ivabradine Acts as an Atypical Inhibitor of Voltage-Gated Sodium Channels. Frontiers in pharmacology, 13, 809802.

Geeraerts SL, et al. (2021) Repurposing the Antidepressant Sertraline as SHMT Inhibitor to Suppress Serine/Glycine Synthesis-Addicted Breast Tumor Growth. Molecular cancer therapeutics, 20(1), 50.

Qile M, et al. (2019) LUF7244, an allosteric modulator/activator of Kv 11.1 channels, counteracts dofetilide-induced torsades de pointes arrhythmia in the chronic atrioventricular block dog model. British journal of pharmacology, 176(19), 3871.

Chua MJ, et al. (2017) Effect of clinically approved HDAC inhibitors on Plasmodium, Leishmania and Schistosoma parasite growth. International journal for parasitology. Drugs and drug resistance, 7(1), 42.

Zhang L, et al. (2016) Crystal structure of FabZ-ACP complex reveals a dynamic seesaw-like catalytic mechanism of dehydratase in fatty acid biosynthesis. Cell research, 26(12), 1330.

Glaab E, et al. (2016) Building a virtual ligand screening pipeline using free software: a survey. Briefings in bioinformatics, 17(2), 352.

Jögi J, et al. (2015) The added value of hybrid ventilation/perfusion SPECT/CT in patients with stable COPD or apparently healthy smokers. Cancer-suspected CT findings in the lungs are common when hybrid imaging is used. International journal of chronic obstructive pulmonary disease, 10, 25.

Min DK, et al. (2015) In silico Screening of Chemical Libraries to Develop Inhibitors That Hamper the Interaction of PCSK9 with the LDL Receptor. Yonsei medical journal, 56(5), 1251.

Pinto LM, et al. (2014) Derivation of normative data for the COPD assessment test (CAT). Respiratory research, 15(1), 68.

Ferrier RC, et al. (2014) Gold nanorod linking to control plasmonic properties in solution and polymer nanocomposites. Langmuir: the ACS journal of surfaces and colloids, 30(7), 1906.

Carta V, et al. (2014) A pentasymmetric open channel blocker for Cys-loop receptor channels. PloS one, 9(9), e106688.

Waugh B, et al. (2014) In silico work flow for scaffold hopping in Leishmania. BMC research notes, 7, 802.

Hattiholi J, et al. (2014) Prevalence and correlates of osteoporosis in chronic obstructive pulmonary disease patients in India. Lung India: official organ of Indian Chest Society, 31(3), 221.