

# Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

## Cambridge Structural Data Base

RRID:SCR\_007310

Type: Tool

### Proper Citation

Cambridge Structural Data Base (RRID:SCR\_007310)

### Resource Information

**URL:** <http://www.ccdc.cam.ac.uk/Solutions/CSDSystem>

**Proper Citation:** Cambridge Structural Data Base (RRID:SCR\_007310)

**Description:** It records bibliographic, chemical and crystallographic information for organic molecules and metal-organic compounds whose 3D structures have been determined using X-ray diffraction and neutron diffraction.

The CSD records results of single crystal studies and powder diffraction studies which yield 3D atomic coordinate data for at least all non-H atoms. In some cases the CCDC is unable to obtain coordinates, and incomplete entries are archived to the CSD.

The CSD includes crystal structure data arising from:

- \* publications in the open literature
- \* Private Communications to the CSD (via direct data deposition)

The Cambridge Structural Database System (CSDS) is a single product that comprises the following components: The Cambridge Structural Database (CSD); CSDS Software: search and information retrieval (ConQuest), structure visualization (Mercury), statistical analysis of retrieved data (VISTA), and software for database creation (PreQuest); Knowledge bases derived from the CSD: Mogul (intramolecular geometry) and IsoStar (intermolecular interactions, including data from the PDB).

Cambridge Structural Database (CSD) is the world repository of small-molecule crystal structures. For example, the crystal structures supported by the National Institute on Drug Abuse are deposited here.

**Abbreviations:** CSD

**Synonyms:** Cambridge Structural Database

**Resource Type:** database, data or information resource, software resource

**Keywords:** 3d structure, crystal, crystal studies, csd, metal-organic compounds, neutron diffraction, organic molecules, powder diffraction, x-ray diffraction

**Resource Name:** Cambridge Structural Data Base

**Resource ID:** SCR\_007310

**Alternate IDs:** DOI:10.25504/FAIRsharing.vs7865, r3d100010197, nif-0000-00174, DOI:10.5517, DOI:10.25505, DOI:10.17616/R36011

**Alternate URLs:** <http://www.ccdc.cam.ac.uk/products/csd/>, <https://doi.org/10.17616/R30P93>, <https://doi.org/10.17616/r36011>, <https://doi.org/10.5517/>, &&<https://doi.org/10.25505/>, , <https://dx.doi.org/10.5517/>, <https://dx.doi.org/10.25505/>, <https://fairsharing.org/10.25504/FAIRsharing.vs7865>, <https://doi.org/10.17616/R36011>

**Record Creation Time:** 20220129T080241+0000

**Record Last Update:** 20260803T040504+0000

---

## Ratings and Alerts

No rating or validation information has been found for Cambridge Structural Data Base.

No alerts have been found for Cambridge Structural Data Base.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 132 mentions in open access literature.

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

Mabied AF, et al. (2014) Crystal structure and stereochemistry study of 2-substituted benzoxazole derivatives. ISRN organic chemistry, 2014, 728343.

Buro C, et al. (2014) Imatinib treatment causes substantial transcriptional changes in adult *Schistosoma mansoni* in vitro exhibiting pleiotropic effects. PLoS neglected tropical diseases, 8(6), e2923.

Inagaki Y, et al. (2014) A Diels-Alder super diene breaking benzene into C<sub>2</sub>H<sub>2</sub> and C<sub>4</sub>H<sub>4</sub> units. Nature communications, 5, 3018.

Zhao H, et al. (2014) Complex self-assembly of pyrimido[4,5-d]pyrimidine nucleoside supramolecular structures. Nature communications, 5, 3108.

Li D, et al. (2014) Synthesis, crystal structure, and thermal decomposition of the cobalt(II) complex with 2-picolinic acid. TheScientificWorldJournal, 2014, 641608.

Acosta-Reyes FJ, et al. (2014) In and out of the minor groove: interaction of an AT-rich DNA with the drug CD27. Acta crystallographica. Section D, Biological crystallography, 70(Pt 6), 1614.

Hu Y, et al. (2014) A carbonate-forming Baeyer-Villiger monooxygenase. *Nature chemical biology*, 10(7), 552.

Chygorin EN, et al. (2014) Tetra-kis(3-2-[[1,1-bis-(hydroxy-meth-yl)-2-oxidoeth-yl]imino-meth-yl]-6-nitro-pheno-lato)tetra-copper(II). *Acta crystallographica. Section E, Structure reports online*, 70(Pt 2), m54.

Zang HY, et al. (2014) Discovery of gigantic molecular nanostructures using a flow reaction array as a search engine. *Nature communications*, 5, 3715.

Ahmed Hassan LE, et al. (2014) Crystal structure elucidation and anticancer studies of (-)-pseudosemiglabrin: a flavanone isolated from the aerial parts of *Tephrosia apollinea*. *PLoS one*, 9(6), e90806.

Li D, et al. (2014) Synthesis and Crystal Structure of the Bioinorganic Complex [Sb(Hedta)]·2H<sub>2</sub>O. *Bioinorganic chemistry and applications*, 2014, 461605.

Jennifer SJ, et al. (2014) Design of co-crystals/salts of some Nitrogenous bases and some derivatives of thiophene carboxylic acids through a combination of hydrogen and halogen bonds. *Chemistry Central journal*, 8, 20.

Chavda JK, et al. (2014) Synthetic Studies Towards the Core Structure of Nakadomarin A by a Thioamide-Based Strategy. *European journal of organic chemistry*, 2014(1), 129.

Rahaman A, et al. (2014) Bioinspired Hydrogenase Models: The Mixed-Valence Triiron Complex [Fe<sub>3</sub>(CO)<sub>7</sub>(?-edt)<sub>2</sub>] and Phosphine Derivatives [Fe<sub>3</sub>(CO)<sub>7-x</sub>(PPh<sub>3</sub>)<sub>x</sub>(?-edt)<sub>2</sub>] (x = 1, 2) and [Fe<sub>3</sub>(CO)<sub>5</sub>(?2-diphosphine)(?-edt)<sub>2</sub>] as Proton Reduction Catalysts. *Organometallics*, 33(6), 1356.

Li HJ, et al. (2014) Induced marine fungus *Chondrostereum* sp. as a means of producing new sesquiterpenoids chondrosterins I and J by using glycerol as the carbon source. *Marine drugs*, 12(1), 167.

Hemamalini M, et al. (2014) Investigation of supramolecular synthons and structural characterisation of aminopyridine-carboxylic acid derivatives. *Chemistry Central journal*, 8, 31.

Tanaka H, et al. (2014) Unique behaviour of dinitrogen-bridged dimolybdenum complexes bearing pincer ligand towards catalytic formation of ammonia. *Nature communications*, 5, 3737.

Barakat A, et al. (2014) Tandem Aldol-Michael reactions in aqueous diethylamine medium: a greener and efficient approach to dimedone-barbituric acid derivatives. *Chemistry Central journal*, 8(1), 9.

Diring S, et al. (2013) Localized cell stimulation by nitric oxide using a photoactive porous coordination polymer platform. *Nature communications*, 4, 2684.

Sun CY, et al. (2013) Efficient and tunable white-light emission of metal-organic frameworks by iridium-complex encapsulation. *Nature communications*, 4, 2717.