



**FACHINFORMATIONSDIENST  
PHARMAZIE**  
TU Braunschweig

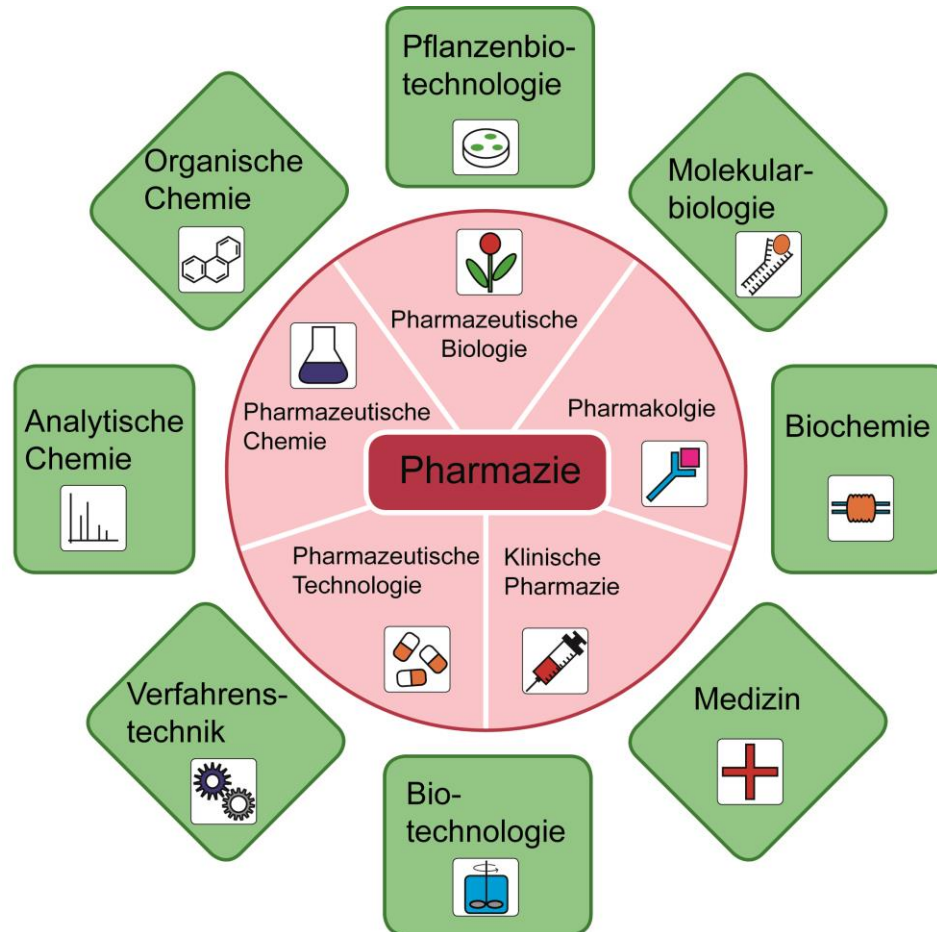


## Fachinformationsdienst Pharmazie

Stefan Wulle, Universitätsbibliothek Braunschweig

31.5.17 - Positionsbestimmung Fachreferat und Fachinformationsdienste

# Pharmazie als interdisziplinäre Wissenschaft





# PubPharm



Recherche in PubPharm...



**BETA-VERSION**  
**Neu: Struktursuche / New: Structure Search**





BETA



siRNA delivery



Search History


Sort: **Date Descending**

1.  **Nanoparticle-mediated co-delivery of chemotherapeutic agent and siRNA for combination cancer therapy**  
 in Expert opinion on drug delivery | Vol. 14, No. 1 (2017), p. 65-73  
 by Xiao, B. | Ma, L. | Merlin, D.  
 Get full text (direct link) ✓ doi: 10.1080/17425247.2016.1205583



2.  **Cover Picture: Utility of the 2-Nitrobenzenesulfonamide Group as a Chemical Linker for Enhanced Extracellular Stability and Cytosolic Cleavage in siRNA-Conjugated Polymer Systems (...)**  
 in ChemMedChem | Vol. 12, No. 1 (2017), p. 1-1  
 by Huang, C. | Takemoto, H. | Nomoto, T. | +3  
 Get full text (direct link) ✓ doi: 10.1002/cmde.201600622



3.  **Overcoming the Challenges of siRNA Delivery: Nanoparticle Strategies**  
 in Current drug delivery | Vol. 14, No. 1 (2017), p. 36-46  
 by Neda Shajari | Behzad Mansoori | Sadaf Davudian | +2  
 Get full text (direct link) ✓ doi: 10.2174/1567201813666160816105408



4.  **Transarterial embolization combined with RNA interference targeting hypoxia-inducible factor-1 $\alpha$  for hepatocellular carcinoma: a preliminary study of rat model**  
 in Journal of cancer research and clinical oncology | Vol. 143, No. 2 (2017), p. 199-207  
 by Ni, J. | Xu, L. | Wang, W. | +3  
 Get full text (direct link) ✓ doi: 10.1007/s00432-016-2237-x



5.  **Recent advances in the design, development, and targeting mechanisms of polymeric micelles for delivery of siRNA in cancer therapy**  
 in Progress in polymer science | Vol. 64 (2017), p. 154-181  
 by Amjad, M. | Kesharwani, P. | Mohd Amin, M. | +1  
 To publication (direct link\*) ✓ doi: 10.1016/j.progpolymsci.2016.09.008



6.  **Silencing Genes in the Heart**  
 in Methods in molecular biology (Clifton, N.J.) | Vol. 1521 (2017), p. 17-39  
 by Fechner, H. | Vetter, R. | Kurreck, J. | +1  
 To publication (direct link\*) ✓ doi: 10.1007/978-1-4939-9588-5\_2



Filter 4.471 Hits

**Format**

- Articles (4.377)
- Books (94)
- E-Books (61)
- more ...

**Journal Title**

- Journal of controlled release : offic... (348)
- Biomaterials (267)
- International journal of pharmaceuticals (127)
- more ...

**Topic**

- RNA, Small Interfering (2.233)
- Humans (1.857)
- Research Support, Non-U.S. Govt (1.759)
- more ...

**Year of Publication**

From:  To:  Filter

Blog

Feedback



## Inhalt

- Mehr als 45 Mio. Publikationen
- Davon ca. 27 Mio. aus der Medline-Datenbank, ergänzt um Artikel aus natur- und lebenswiss. Zeitschriften, die Medline nicht auswertet
- Monographien (Print + E), z.B. Dissertationen

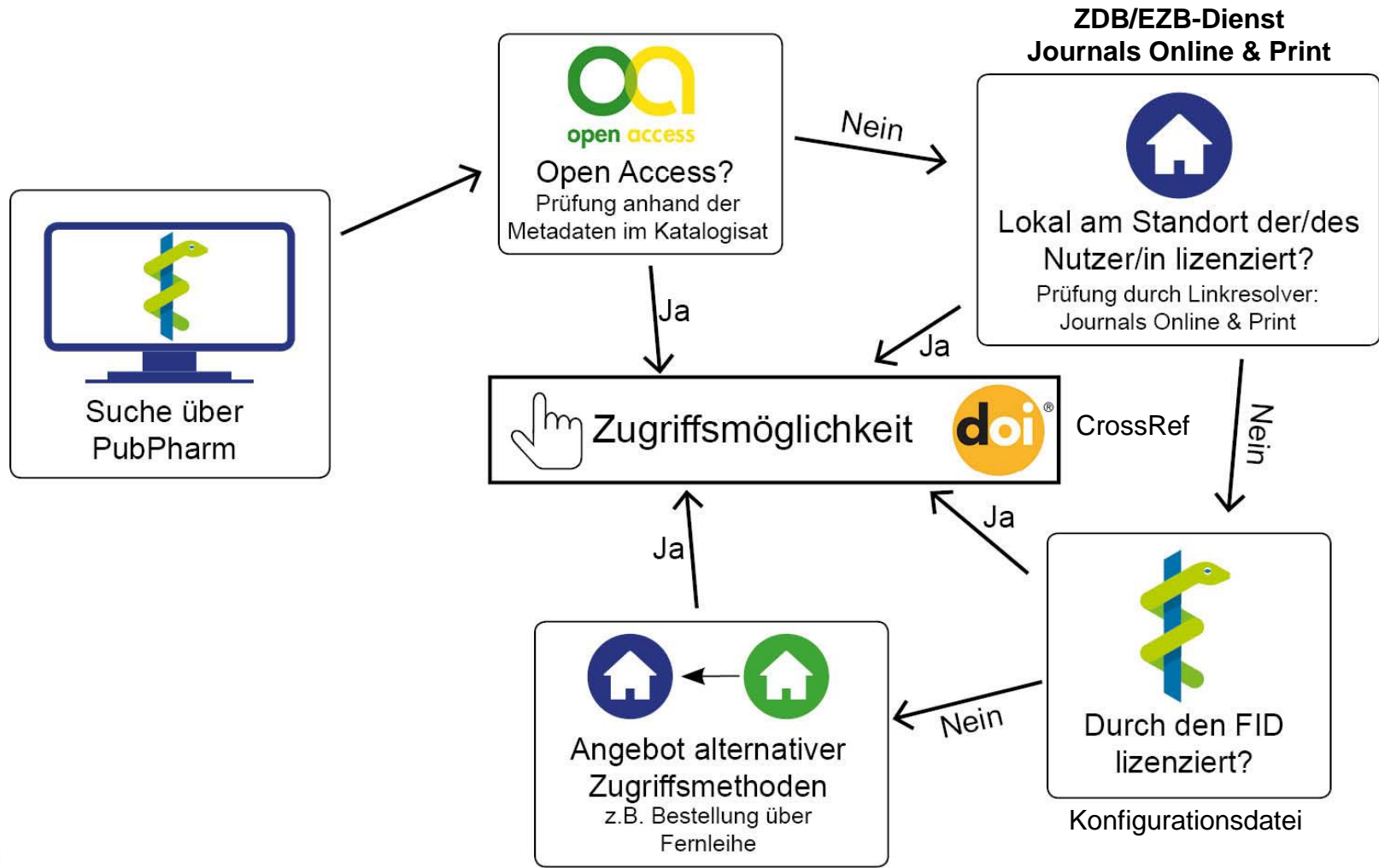


## Volltexte

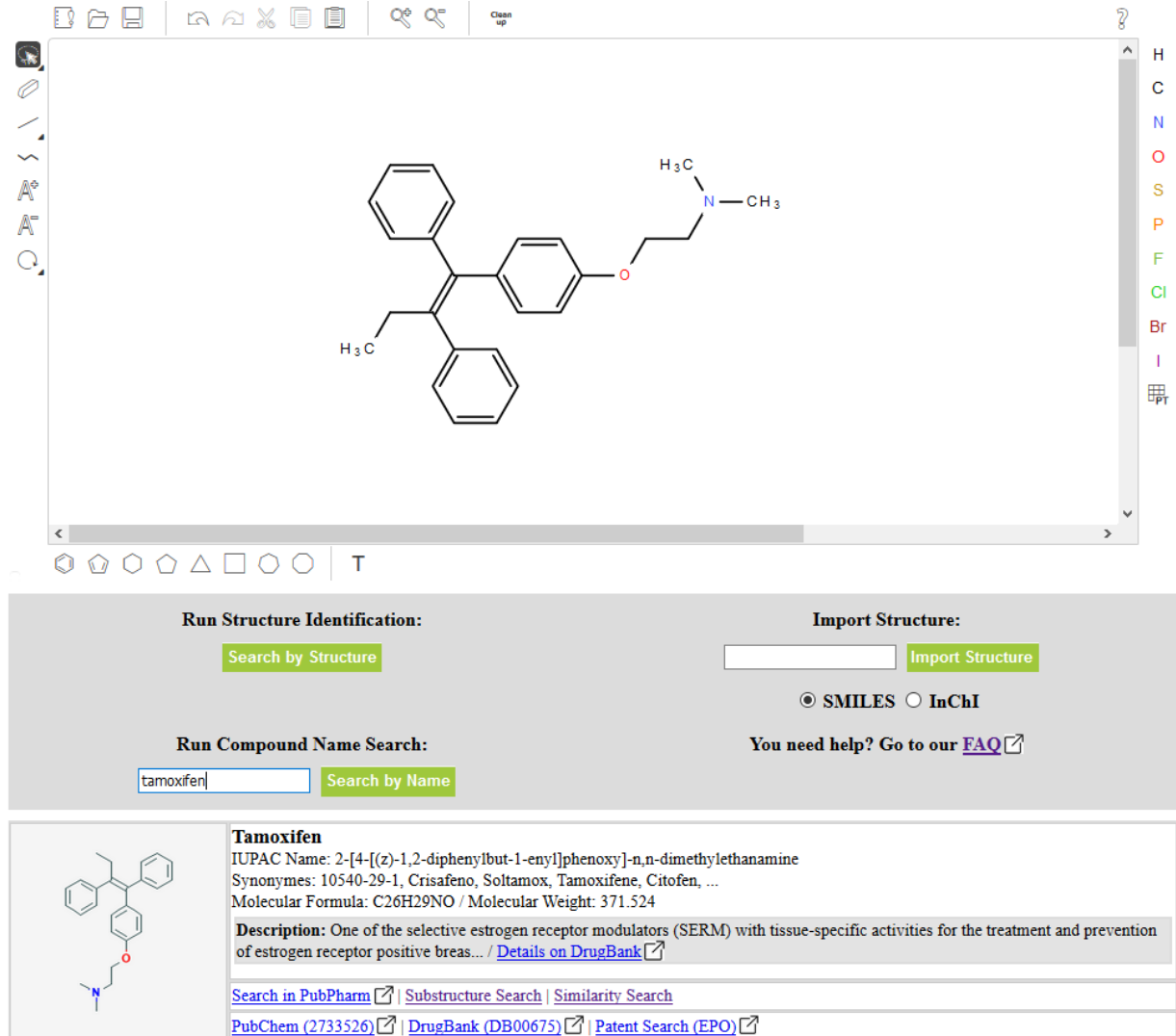
- Anzeige, wenn Volltext des Papers direkt verfügbar ist (standortabhängig)
- Volltextzugriff auf FID-Lizenzen (aktuell: 51 Zeitschriften) → Registrierung



# PubPharm - Verfügbarkeitsprüfung



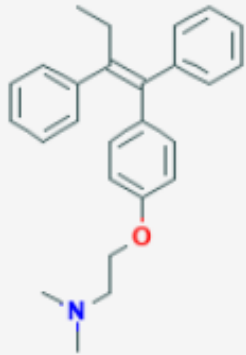
# PubPharm - Struktursuche



The screenshot displays the PubPharm web interface. At the top, there is a toolbar with icons for file operations (save, open, copy, paste) and editing (undo, redo, clean up). The main workspace shows a chemical structure of Tamoxifen, which consists of a central carbon atom bonded to a phenyl ring, a propyl group, and a 4-(dimethylamino)phenoxy group. To the right of the workspace is a vertical legend for element types: H, C, N, O, S, P, F, Cl, Br, I, and Pt. Below the workspace is a row of geometric shapes and a 'T' button. The interface is divided into several functional areas:

- Run Structure Identification:** A green button labeled "Search by Structure".
- Import Structure:** A text input field followed by a green "Import Structure" button. Below it are radio buttons for "SMILES" (selected) and "InChI".
- Run Compound Name Search:** A text input field containing "tamoxifen" followed by a green "Search by Name" button.
- Help:** A link "You need help? Go to our [FAQ](#)".
- Search Results:** A section titled "Tamoxifen" containing:
  - IUPAC Name:** 2-[4-[(z)-1,2-diphenylbut-1-enyl]phenoxy]-n,n-dimethylethanamine
  - Synonyms:** 10540-29-1, Crisafeno, Soltamox, Tamoxifene, Citofen, ...
  - Molecular Formula:** C<sub>26</sub>H<sub>29</sub>NO / **Molecular Weight:** 371.524
  - Description:** One of the selective estrogen receptor modulators (SERM) with tissue-specific activities for the treatment and prevention of estrogen receptor positive breas... / [Details on DrugBank](#)
  - Search Links:** [Search in PubPharm](#), [Substructure Search](#), [Similarity Search](#), [PubChem \(2733526\)](#), [DrugBank \(DB00675\)](#), [Patent Search \(EPO\)](#)

# PubPharm - Struktursuche



## Tamoxifen

IUPAC Name: 2-[4-[(z)-1,2-diphenylbut-1-enyl]phenoxy]-n,n-dimethylethanamine

Synonymes: 10540-29-1, Crisafeno, Soltamox, Tamoxifene, Citofen, ...

Molecular Formula: C<sub>26</sub>H<sub>29</sub>NO / Molecular Weight: 371.524

**Description:** One of the selective estrogen receptor modulators (SERM) with tissue-specific activities for the treatment and prevention of estrogen receptor positive breast cancer.

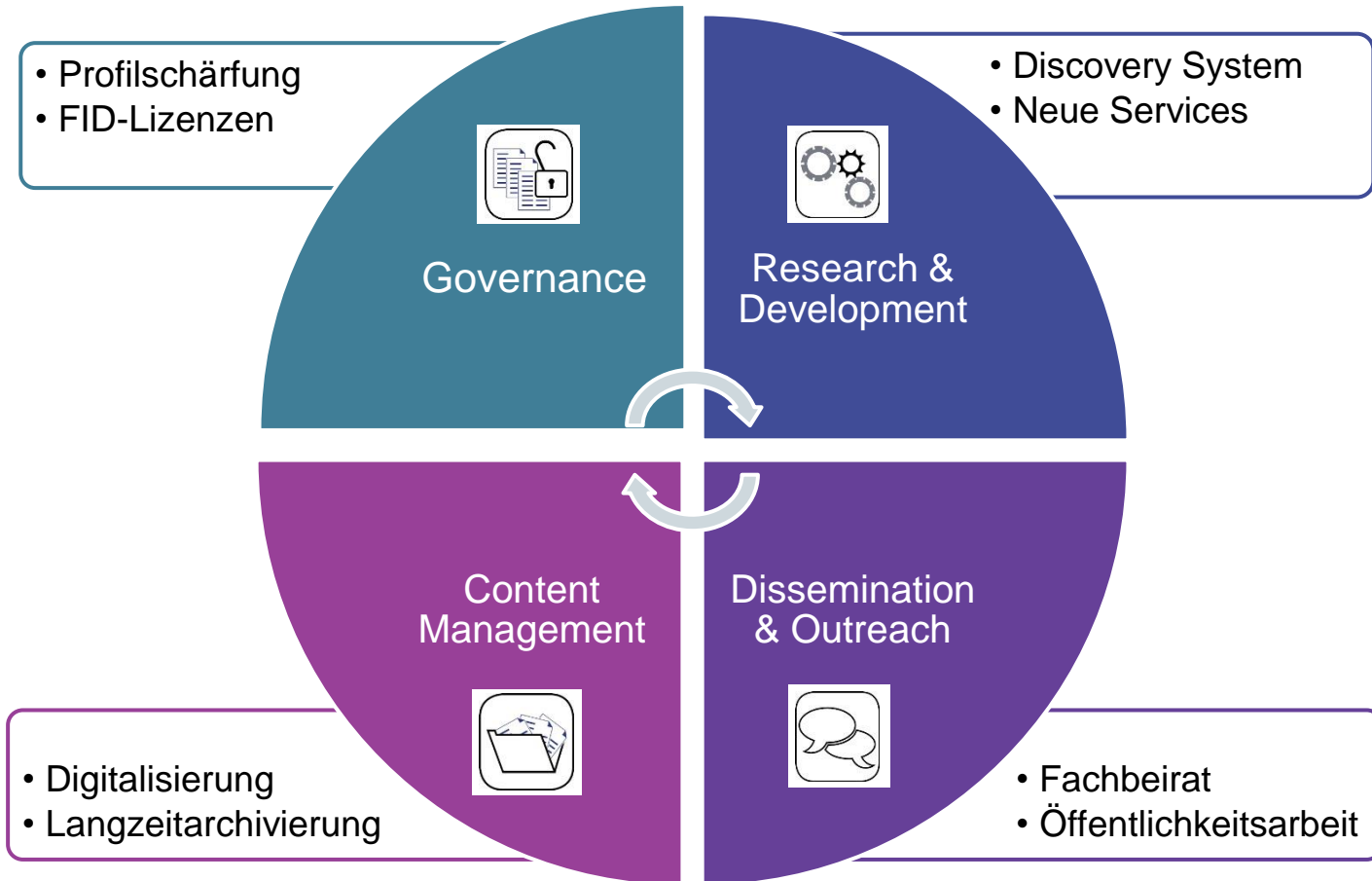
[Details on DrugBank](#) 

[Search in PubPharm](#)  | [Substructure Search](#) | [Similarity Search](#)

[PubChem \(2733526\)](#)  | [DrugBank \(DB00675\)](#)  | [Patent Search \(EPO\)](#) 



# Arbeitsbereiche des FID Pharmazie



# Zusammenarbeit mit ifis

Semantische Analyse von Textdaten basierend auf Deep-Learning-Algorithmen,  
-> wertvolle Facettierungen für den Retrieval-Prozess in PubPharm

Prototypisch realisiert: Kontextbasierte Ähnlichkeitssuche für biologisch  
aktive Verbindungen



# FID-Lizenzen

## FID-Lizenzen

- Zielgruppe: Wissenschaftler/innen an Pharmazie-Hochschulstandorten
- 51 pharmazeutische Fachzeitschriften im Rahmen von FID-Lizenzen
- Volltextzugriff über KfL (Kompetenzzentrum für Lizenzierung) ERMS
- Registrierung erforderlich, aktuell ca. 400 Nutzer/innen
  
- Nutzungszahlen 2016 waren Anlass für erfolgreiche Nachverhandlungen mit Verlagen
- Ab Mai 2017: Campuslizenzen für 46 Zeitschriften

<http://pharmazie.fid-lizenzen.de/>



**FACHINFORMATIONSDIENST  
PHARMAZIE**  
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**Vielen Dank für die Aufmerksamkeit!**