

# THOMSON PHARMA

QUICK GUIDE SERIES: No. 1



## SEARCHING FOR DRUG TARGETS

This step-by-step guide will show how to get the optimum results when searching for and browsing **Drug Targets** in *Thomson Pharma*<sup>®</sup>.

This guide will highlight:

- How to search for drug targets in *Thomson Pharma*, specifically how to:
  - Quickly search for drug targets via the **Quick Search**.
  - Browse target terminology and link out to related drug records.
  - See the competitive pipeline of a drug target from within the **Target Report**.



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### WHAT ARE THE ADVANTAGES OF SEARCHING THOMSON PHARMA FOR DRUG TARGETS?

*Thomson Pharma* allows you to:

- Search biologically-relevant drug targets:
  - > 9,000 gene targets
  - > 11,000 protein targets
- Identify synonyms and higher terms for a known target.
- Identify investigational and marketed drugs associated with a particular target.
- Find recent literature references that contain the target information related to the target.

## HOW TO SEARCH FOR DRUG TARGETS IN THOMSON PHARMA

There are several ways to search for drug targets in *Thomson Pharma*:

- **Quick Search** (See Figure 1)
- **Browse** (See Figure 2)
- **Drug Report** (See Figure 5)
- **Form search – General Text** (not discussed)

### QUICK SEARCH

- As the **Quick Search** function requires look-up of terms as indexed in *Thomson Pharma*, **Auto-complete** assists with the look up procedure. (See Figure 1)
- Type in the Target term, select from **Auto-complete** list, and click **Search**; Example: (1) Btk tyrosine kinase; (2) Jun N terminal kinase; (3) TNF receptor (4) Factor IIa.
- Results – go right to corresponding **Target Report**.

### BROWSE

**Browse Indexes** allows you to browse indexed terminology to identify Drug, Patents, Deals, Protocols, Companies and Targets of interest. Browse scientific meetings and journals to navigate through the index and access articles from any year, volume and issue.

- Click on **Targets**. This is the only place in *Thomson Pharma* where you are able to **Browse Target** information. (See Figure 2)
- Using the index tree hierarchies and the auto complete function, look up and directly link to a summary list indexed by a particular drug Target term of interest. **Auto-complete** only requires you to enter a portion of the target name.

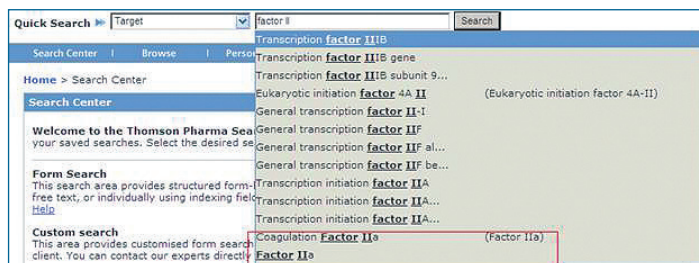


FIGURE 1: QUICK SEARCH

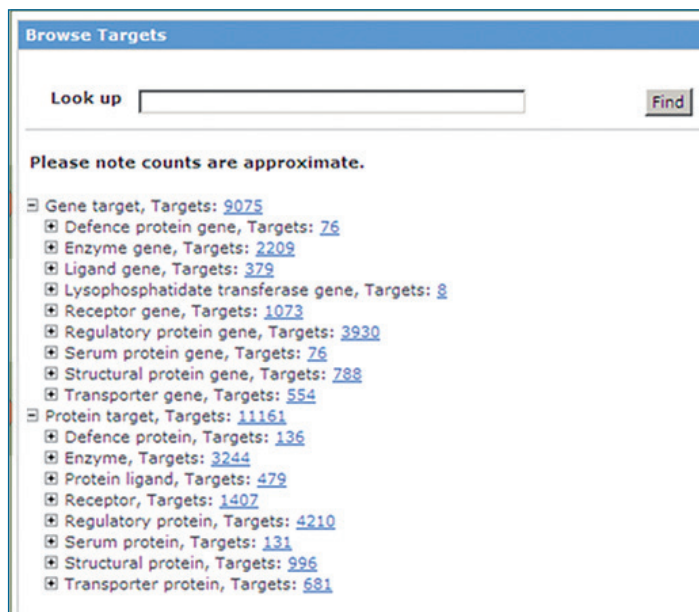


FIGURE 2: BROWSE TARGETS



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- c. Look up the Target term: **Factor IIa**. All instances of this keyword phrase will be in **BOLD blue text**. You will have to select the term(s) of choice by clicking on the terms directly, or clicking on the numerical link to a results of several Target reports. (See Figure 3)
- d. **Factor IIa - Target report** (see Figure 4) – Biology tab: complete with associated synonyms and functional information. The report links to drugs that act on the target and Literature & News Reports relating to it. Use the Help text to go through the sections of the Target report in detail. [https://www.thomson-pharma.com/tp/docs/help/tp\\_help\\_report\\_target.html](https://www.thomson-pharma.com/tp/docs/help/tp_help_report_target.html)
- e. Target report - Go to Literature tab: The Literature References section presents a list of literature references to Literature and News Reports that contain the target name or any of its synonyms.
- f. Go to Drugs tab to see these sections:
  - Drug interactions
  - The Drug Lifecycle
  - The Competitive Pipeline portlet
- g. On this Target report for Factor IIa (see Figure 5), click on the **Drugs tab** and then click on **Competitive Pipeline** to jump to next section. Next, go to **Sort by** and choose the stage of development that is of most interest. Click to the drug reports. (See Figure 4)

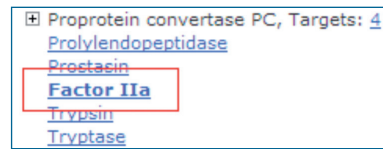


FIGURE 3: LOOK UP THE TARGET TERM

**FROM A REPORT – DRUG REPORT**

- a. **Quick Search** for drug **xyzal**
- b. Link to **Target report** (Histamine H1 receptor) in the **Summary section**

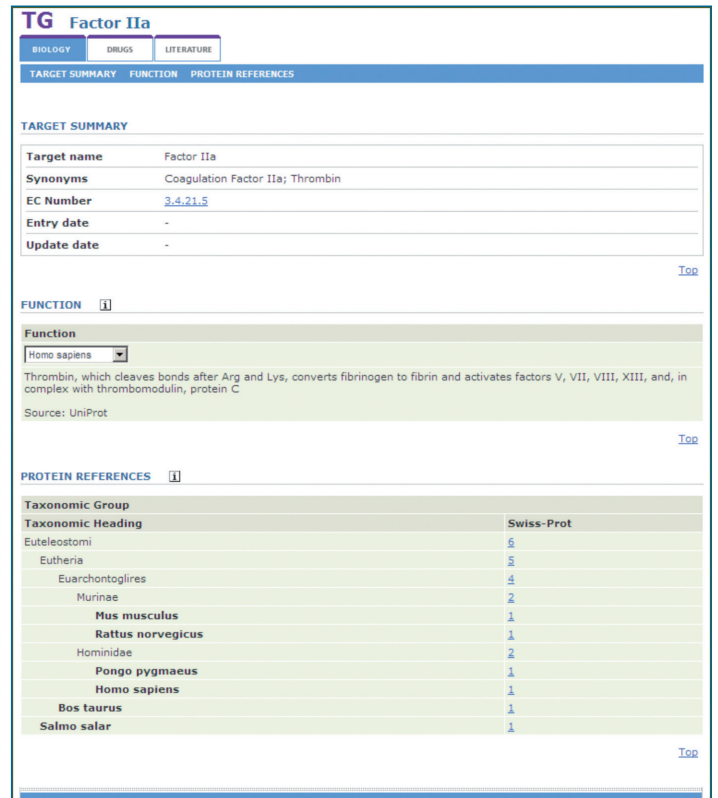


FIGURE 4: TARGET REPORT

**SUMMARY OF THOMSON PHARMA SEARCHING OPTIONS:**

1. Quickly search for drug targets via the **Quick Search**. (See Figure 1)
2. Browse target terminology and link out to related drug records. (See Figure 2)
3. Link out to target reports from within drug records. (See Figure 5)
4. See the competitive pipeline of a drug target from within the target report. (See Figure 6)

Company	Drug Phase											Total
	D	P1	P2	P3	C	PR	R	L	Di	W	S	
Orqaron BioSciences	0	2	0	0	0	0	0	0	2	0	0	10
Dendreon San Diego LLC	0	0	0	0	0	0	0	0	1	0	0	8
Eli Lilly & Co	0	0	0	0	0	0	0	0	0	0	0	8
Merck & Co Inc	0	1	0	0	0	0	0	0	2	0	0	8
Bristol-Myers Squibb Co	0	0	0	0	0	0	0	0	0	0	0	7
Glaxo Wellcome plc	0	0	0	0	0	0	0	0	1	0	0	5
Novartis AG	0	0	0	0	0	0	0	1	1	0	0	5
Sanofi-Synthelabo	0	0	0	0	0	0	0	0	2	0	0	5
Bristol-Myers Squibb Pharma Co	0	0	0	0	0	0	0	0	1	0	0	4
Hoechst Marion Roussel Inc	0	0	0	0	0	0	0	0	0	0	0	4
BW Johnson Pharmaceutical Research Institute	0	0	0	0	0	0	0	0	1	0	0	4
Servier	0	0	0	0	0	0	0	0	0	0	0	4
Thrombosis Research Institute	0	0	0	0	0	0	0	0	0	0	0	4
AstraZeneca plc	0	0	1	0	0	0	0	0	2	0	0	3
Bayer Schering Pharma AG	0	1	0	0	0	0	0	0	0	0	0	3
Johnson & Johnson	1	0	0	0	0	0	0	0	0	0	0	3

FIGURE 6: COMPETITIVE PIPELINE

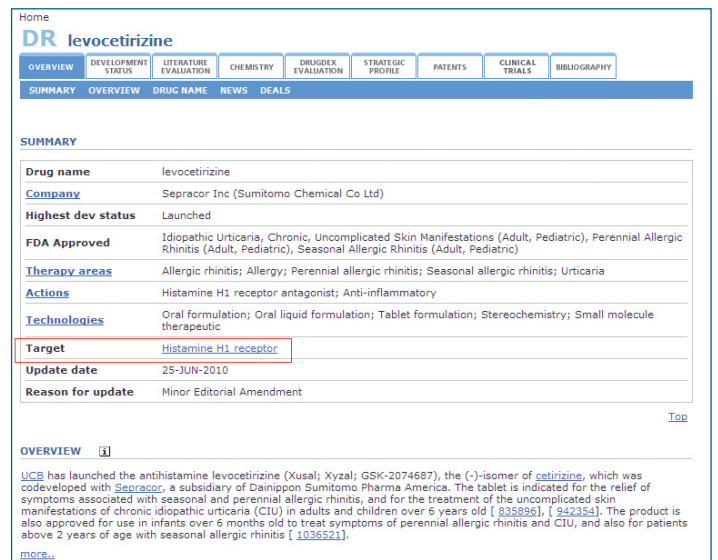


FIGURE 5: DRUG REPORT