

# Make the most out of the Clarivate Analytics Integrity interface

Want to get the most out of Clarivate Analytics Integrity? How well do you know the functionality of Integrity? Do you know what happens when you click on the Options menu or where you can filter by value range?

Integrity interface enables you to apply highly targeted search strategies, refine and filter retrieved results and generate a data map to see all the information related to your results in all Knowledge Areas. **Example Scenario:** you are searching for drugs that have been reported to show gastrointestinal toxicity, and then identify those with the mechanism of action of interest (e.g. non-steroidal anti-inflammatory drugs, NSAIDs). For those drugs, you would like to review Experimental Pharmacology data for *in vivo* models to identify compounds with a higher effective dose (which may be the cause of observed toxicity).

## Advanced Search form:

Advanced Search
Session History
Clear Form
Start

**Product** Structure Search

Lead Compounds  Under Active Development

Select Value  Index AND ▾

Optional Value  Index AND ▾

Optional Value  Index AND ▾

**Reference**

Title/Text  Index AND ▾

Optional Value  Index AND ▾

Optional Value  Index AND ▾

**Targets & Pathways**

Select Value  Index AND ▾

Optional Value  Index AND ▾

Optional Value  Index AND ▾

**Patent**

Select Value  Index AND ▾

Optional Value  Index AND ▾

Optional Value  Index AND ▾

**Records Retrieved** 603 in Drugs & Biologics Search Results Options ▾

Drugs & Biologics Search Results 1 2 3 4 5 6 7 8 9 10 (Next) (Last) >>

Query > Title/Text = "gastrointestinal toxic" or "GI toxic"

Entry Number	Highest Phase	Code Name	Generic Name	Brand Name	Product Category	Therapeutic Group	Mechanism of Action	Organization
070002	Launched-1955		Prednisolone	Predonine Prelone	Glucocorticoid Prodrugs Steroids	Asthma Therapy Lymphoma Therapy Immunosuppressants Inflammation, Treatment of Rheumatoid Arthritis, Treatment of Muscular Dystrophy, Agents for Treatment of Autoimmune Diseases		Muro Shionogi Teva
070003	Launched-1955		Methylprednisolone	Depo-Medrol Medrol Urbason	Glucocorticoid Steroids	Lymphocytic Leukemia Therapy Antiallergy/Antiasthmatic Drugs Rheumatoid Arthritis, Treatment of Ear disorders, treatment of		Pfizer (Originator) Imperial College Sandoz Jiangsu Province Hospital of TCM Wifang University
070005	Launched-1960	ATI-1501 CB-01-14 HMK FP-250 GK-567 PF-00344568 IDR-90105 (Ophthalmic)	Metronidazole	Anaemetro Flagyl Florzazole MetroCream MetroGel- Vaginal MetroLotion Metrogel Nuveessa Rosaxed Rozex Zidoval	Imidazoles, Antifungal Agents	Treatment of Protozoal Diseases Antibacterial Ophthalmic Drugs Antibiotics Inflammatory Bowel Disease, Agents for Antitrichomonal Gastrointestinal Disorders (Not-Specified) Antiamoebics Antifungal Agents	Cytochrome P450 CYP1A2 Inhibitors	Formac Institute for Drug Research Allergan Pfizer (Originator) Cosmo Shionogi Valiant Sandoz Therapeutics SLA Pharma

**Filter by Statistics**

- Development Status
- Organization
- Major Therapeutic Groups
- Therapeutic Group
- Major Condition Groups
- Condition
- Mechanistic Scope
  - Molecular Mechanisms
  - Cellular Mechanisms
- Major Product Categories
- Product Category
- Launch Year
- Target
- Under Active Development / No Development Reported
- Filter Only Lead Compounds
- Natural Source Categories
- Natural Source Scientific Name
- Prescription/ Indication Type
- Administration Route

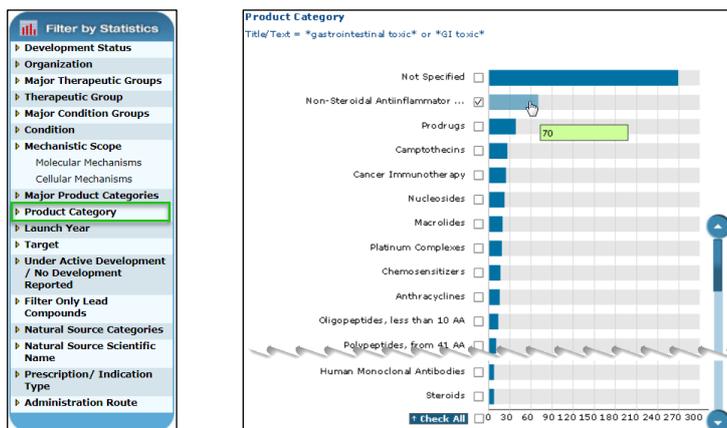
All the Knowledge Areas of Integrity have additional search fields beneath the main search form section. This useful feature allows you to search information that is directly linked to the records. For example, you can search reference, target, and patent data linked to a drug using the corresponding sections in the **Advanced Search Form** of the Drugs & Biologics Knowledge Area. You can use the free text Title/Text search field in the reference section to search the literature, identify those terms and see the drugs linked to those references.

**Tip:**

- Don't forget that you can use the asterisk to truncate search terms; so toxic\* also finds toxicity.

The results list shows all those compounds linked to a reference containing either of the search terms (including truncations): \*gastrointestinal toxic\* or \*GI toxic\*

## Filter by statistics:



Now you can work with the data, and *Integrity* offers a number of ways to refine it. **Filter By Statistics** appears to the right of the results list. When you click on any of the terms a graphical representation of the data is generated. In this example the filter **Product Category** is selected.

The graph shows the number of records for each type of product category. Now select the term(s) of interest using the check box, in this example, the product category **Non-Steroidal Anti-inflammatory Drugs**.

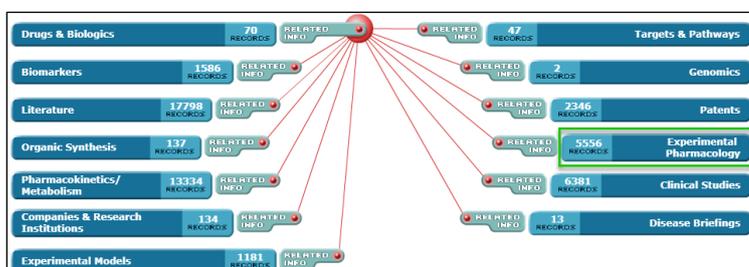
## Options menu:

Entry Number	Highest Phase	Code Name	Generic Name	Brand Name	Product Category	Therapeutic Group	Organization
090094	Launched- 1985	AY-24236 RAK-591	Etodolac (USAN; Rec. INN) Etodolic acid (former INN)	Edolan Hypen Lodine Lodine SR Lodine XL Osteluc Ultradol	Non-Steroidal Antiinflammatory Drugs (NSAIDs)	Osteoarthritis Treatment of Rheumatoid Arthritis, Treatment of	aceutical ator) ll Bcu
090098	Launched- 1985	BRL-14777	Nabumetone (BAN; USAN; Rec. INN)	Arthaxan Listran Nabuser Relafen Relifex	Non-Steroidal Antiinflammatory Drugs (NSAIDs)	Osteoarthritis Treatment of Rheumatoid Arthritis, Treatment of	rat SmithKline ator)

When you have your subset of results you can use the **Options**. There are numerous options available in this pulldown menu. Here some of the less obvious options are highlighted. To change the view you can select **Full Records** or **Product List with Structures**. At the bottom is the **Printer-Friendly Format** option. Finally, one of the really useful functionalities of *Integrity* is **All Related Information via Quick Search**

*Tip: Integrity Exports, Reports, and Alerts can also be generated from the Options menu*

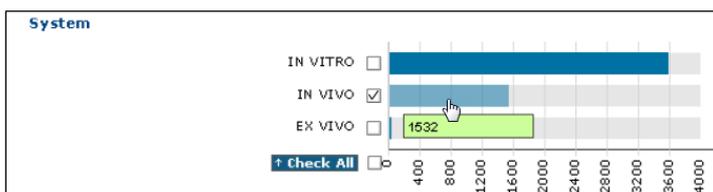
## All related information via Quick Search:



This feature is found in the **Options** menu in all *Integrity* Knowledge Areas. When you click on this option a data map is generated that allows you to see all the information related to your results in the other Knowledge Areas. In this example you can click through to the Experimental Pharmacology Knowledge Area.

If you have any questions please contact us at: [DTStraining@clarivate.com](mailto:DTStraining@clarivate.com)

## Filter by statistics:



From your Experimental Pharmacology results you can filter by **System** to select *in vivo* results.

## Filter by value range:

Drug Name	Biomarker	Mechanism of Action	Experimental Activity	Pharmacological Activity	Material / Experimental Model	Method	Parameter	Value	Details
(S1) Naproxen		Nitric Oxide (NO) Donors Cyclooxygenase (COX) Inhibitors	Edema reversion/reduction, IN VIVO	Edema (carrageenan-induced), inhibition	Paw, rat		ED-50	29.7 µmol/kg p.o.	Ref. 5
(S1) Naproxen		Nitric Oxide (NO) Donors Cyclooxygenase (COX) Inhibitors	Cyclooxygenase 1 (COX-1) inhibition, IN VITRO	Cyclooxygenase 1 (COX-1), inhibition	Edema, carrageenan-induced, Paw, rat (Sprague-Dawley) Seminal vesicles, rat	Anarchidonic acid as substrate	IC-50	61 ± 3.00 nM	Ref. 7
(S1) Naproxen		Nitric Oxide (NO) Donors Cyclooxygenase (COX) Inhibitors	Cyclooxygenase 1 (COX-1) inhibition, IN VITRO	Cyclooxygenase 1 (COX-1), inhibition	Ovine enzyme	ELISA assay	IC-50	0.180 µM	Ref. 8
(S1) Naproxen		Nitric Oxide (NO) Donors Cyclooxygenase (COX) Inhibitors	Aldo-Keto Reductase Family 3 Member C4 (AKR1C3), inhibition, IN VITRO	3-alpha-hydroxysteroid dehydrogenase (AKR1C3), inhibition	Recombinant enzyme	NADPH formation assay	IC-50	0.180 ± 0.040 µM	Ref. 7
(S1) Naproxen		Nitric Oxide (NO) Donors Cyclooxygenase (COX) Inhibitors	Aldo-Keto Reductase Family 3 member C4 (AKR1C3), inhibition, IN VITRO	Aldo-keto reductase family 3 member C4 (AKR1C3), inhibition	Recombinant enzyme	NADPH formation assay	IC-50	0.900 µM	Ref. 7

Another feature of *Integrity* that can be really useful when working with data values is the **Filter by Value Range** function. Only available in the Experimental Pharmacology and Pharmacokinetics / Metabolism Knowledge Areas, which deal with values, it is found at the bottom right of results.

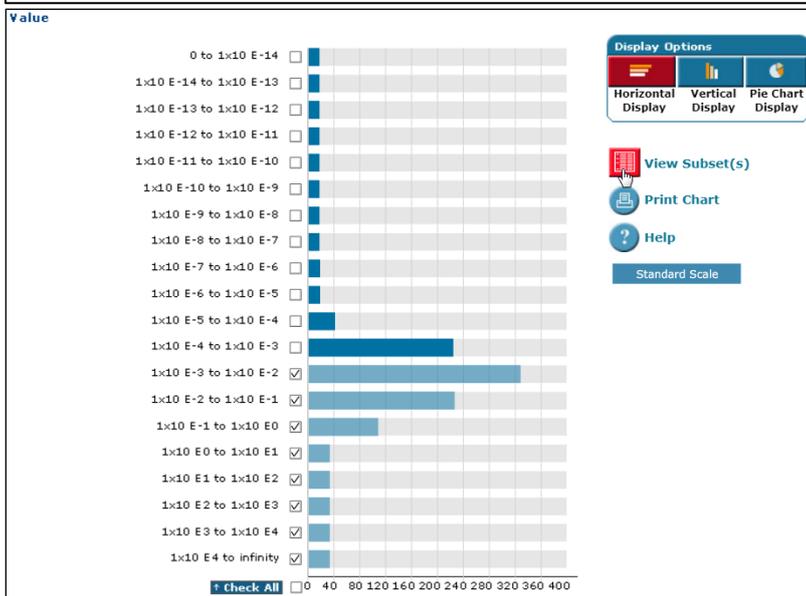
**Select Parameter & Units**

In order to provide a meaningful graphical display of the content you need to filter the selected records down to a single **parameter** and **unit**. Please select a parameter and unit from the lists below:

ED-50 (1055)      g/kg (867)

Go

You will need to select the Parameter and Units. Here ED-50 and g/kg are selected.



Finally, from the chart select the higher EC-50 values and click View Subset(s). This will give you some insight into which compounds require higher doses *in vivo* models and would therefore be more likely to cause side effects in humans.