

# Pharmacokinetics analytics

## Cortellis Drug Discovery Intelligence

Easily benchmark your drugs of interest using the analytical tools in the Pharmacokinetics Knowledge Area.

1. Run a quick search in **Pharmacokinetics**, for example to find data on BTK inhibitors.



Pharmacokinetics Mean / Median 4

2 Apply Filters Filter by Value Range 3 Sorted by relevance Expand all Showing 1-25 of 6896 Pharmacokinetics records for "Bruton's Tyrosine Kinase (BT..."

<input type="checkbox"/>	Administered Product	Dosage	Measured Product	Parameter	Value	Compartment	Method	Organism	Source
<input type="checkbox"/>	> BMS-986142	200 mg	BMS-986142	C <sub>max</sub>	503 µg/l	Plasma	LC-MS		Annu Meet Am Soc Clin Pharmacol Ther (ASCPT) (2016)
<input type="checkbox"/>	> BMS-986142	100 mg	BMS-986142	C <sub>max</sub>	251 µg/l	Plasma	LC-MS		Annu Meet Am Soc Clin Pharmacol Ther (ASCPT) (2016)
<input type="checkbox"/>	> BMS-986142	350 mg	BMS-986142	T <sub>max</sub>	1.5 h	Plasma	LC-MS		Annu Meet Am Soc Clin Pharmacol Ther (ASCPT) (2016)
<input type="checkbox"/>	> BMS-986142	200 mg	BMS-986142	C <sub>max</sub>	592.44 µg/l	Plasma	LC-MS		Annu Meet Am Soc Clin Pharmacol Ther (ASCPT) (2016)

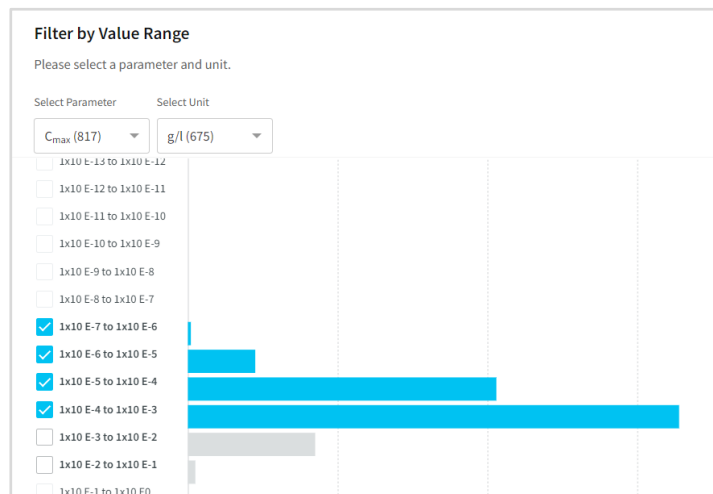
Apply Filters

Search

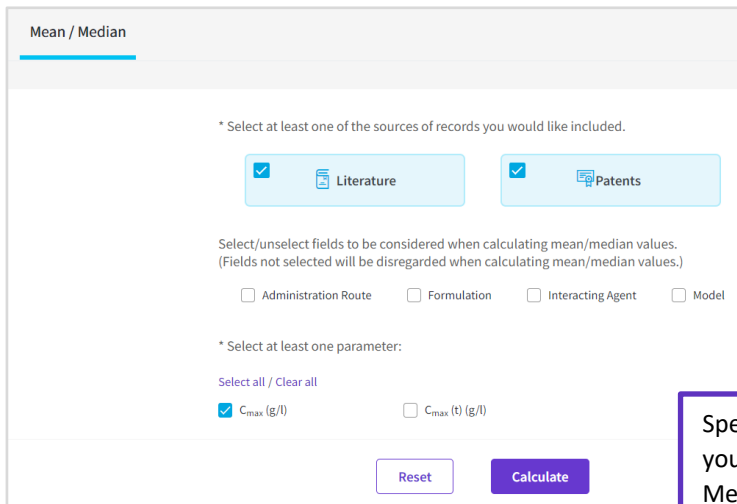
- Plasma (581)
- Not specified (93)
- Blood (37)
- Serum (4)
- Blood spots, dried (1)

2. In the results page, use **Apply Filters** to select the **Parameter** and the **Compartment** you'd like to benchmark, for instance C<sub>max</sub> in Plasma.

- Use **Filter by Value Range** to see the distribution of your results and refine by value ranges.



- You may see many similar experiments in your results list. Use the **Mean / Median** tab on the top of the page to calculate the mean and median values for those similar experiments.



**Mean / Median**

\* Select at least one of the sources of records you would like included.

Literature     Patents

Select/unselect fields to be considered when calculating mean/median values.  
(Fields not selected will be disregarded when calculating mean/median values.)

Administration Route     Formulation     Interacting Agent     Model

\* Select at least one parameter:

Select all / Clear all

C<sub>max</sub> (g/l)     C<sub>max</sub> (t) (g/l)

Specify what terms to consider for your calculation under the Mean/Median tab. Then hit **Calculate**.

5. You can now easily benchmark drugs with the most interesting pharmacokinetic values in the Mean/Median results page.

Pharmacokinetics		Mean / Median		
Administered Product	Measured Product	Parameter	Mean	Median
Ibrutinib 140 mg (once a day (A.M.)) x 7 d + 1 co-administered product	Ibrutinib	C <sub>max</sub>	129 µg/l (n=1)	129 µg/l (n=1)
Dasatinib 100 mg (single dose) + 1 co-administered product	Dasatinib	C <sub>max</sub>	117.94 µg/l [7.97 - 227.9] (n=2)	117.94 µg/l [7.97 - 227.9] (n=2)
Dasatinib 5 mg (single dose) + 1 co-administered product	Dasatinib	C <sub>max</sub>	414.5 µg/l [107 - 722] (n=2)	414.5 µg/l [107 - 722] (n=2)
Simvastatin 40 mg (single dose) + 1 co-administered product	Simvastatin	C <sub>max</sub>	43.1 µg/l (n=1)	43.1 µg/l (n=1)

**(n=x)** reflects the number of data points used to calculate the mean/median

For more information contact Customer Service at [LS Product Support](#)