

# Factsheet: Life, Corona Antivirals

A technology field created by ip-search

## 1 Definition

Research in antiviral therapy against the coronavirus family developed after the SARS and MERS epidemics in the past, and quickly decreased due to the limited spreading of the disease. The results of this research, as well as therapeutic agents against some veterinary coronaviruses constitute the main body of the current technology field.

Specific research on Covid-19 is not yet reflected in the patent literature, because of the 18 months gap between application and publication of a patent. However, some offices allow accelerated publication, so e.g. in the sample for precision assessment, 6 Covid-19 related patents were already present.

The current technology field does not purposively include immunotherapy (vaccines and antibodies) but rather focuses on other therapeutic measures. It will be interesting to observe the evolution of the field in the next two years.

## 2 CPC / IPC, Technology Clusters

### 2.1.1 Cooperative Patent Classification (CPC), International Patent Classification (IPC), and Japanese File Index (FI)

CPC/IPC/FI Symbols	Description
A	HUMAN NECESSITIES
A61	MEDICAL OR VETERINARY SCIENCE; HYGIENE
A61P	SPECIFIC THERAPEUTIC ACTIVITY OF CHEMICAL COMPOUNDS OR MEDICINAL PREPARATIONS
A61P31/00	Antiinfectives, i.e. antibiotics, antiseptics, chemotherapeutics
A61P31/12	. Antivirals
<b>A61P31/14</b>	.. for RNA viruses

The complete description of the CPC classes with IPC- and FI-concordances can be found in the Internet at <https://www.wipo.int/classifications/ipc/ipcpub/?notion=scheme&fipcpc=yes>.

Moreover, the PatentSight Technology Clusters relating to Antiviral Therapy were used

## 3 Keywords

The following keyword concepts have been used:

- Coronavirus, sarbecovirus, ortho- and betacoronavirus
- Covid-19, SARS-CoV2
- SARS, MERS
- Wuhan coronavirus, Wuhan pneumonia
- Antivirals, viricides, virustatics

In addition, the set published by the Lens: <https://www.lens.org/lens/collection/179940> was used

## 4 Precision

Precision is expressed in percent of relevant counts. The precision of a technology field is manually assessed on a weighted mix of 100 selected patent families.

Precision: 83% (specific Corona, SARS, MERS, Covid-19 antivirals)

## 5 History

Version	latest update
05_20	10.06.2020

Table 1: History

## 6 Contact

For specific information regarding the technology field please contact [info@ip-search.swiss](mailto:info@ip-search.swiss)