Open source antiviral dataset released to aid fight against Covid-19

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To support research into treatments for coronavirus infections, the Chemical Abstracts Service (CAS) division of the American Chemical Society has released a dataset containing 50,000 compounds with potential antiviral properties.

Open source - **Open source** products include permission to use the source code, design documents, or content of the product.

Antiviral – antivirusni

Dataset – skup/set podataka

CAS – Servis za hemijske apstrakte

Division – odeljenje

American Chemical Society – Američko hemijsko društvo

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The [CAS Covid-19 antiviral candidate compounds dataset](#) is open source and contains information on antiviral compounds as well as molecules with similar chemical structures to known antivirals. With the development and approval of a Covid-19 vaccine [likely to take many months](#), CAS hopes that its compound collection may accelerate the discovery of substances that could be repurposed for treatments in the short-term.

Development – razvoj	Repurpose – prenameniti, naći drugu namenu
Approval – odobrenje	Similar – sličan
To contain – sadržati	Short-term – kratkoročno
To accelerate – ubrzati	

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'This initial dataset … will enable researchers, as well as emerging technologies such as artificial intelligence, to make novel connections between previously published chemical research to hopefully accelerate treatments for this disease,' said CAS president Manuel Guzman in a [statement](#).

To enable – omogućiti

Emerging technology – nove tehnologije/tehnologije u razvoju

Previously – prethodno

Novel – novi

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The collection is the first of its kind to be contributed to the Allen Institute for AI's [Covid-19 open research dataset](#) – a free resource comprising thousands of publications that could be relevant for researchers trying to understand the disease.

First of its kind – prvi ove vrste

To contribute – dodati, dati u prilog

Resource – izvor, sredstvo

To comprise – sastojati se od

Relevant – relevantan, važan