

Title (en)

METHOD FOR PREVENTING ENTRY AND REPLICATION OF ENVELOPED VIRUSES

Title (de)

VERFAHREN ZUR VERHINDERUNG DES EINTRITTS UND DER REPLIKATION VON EINGEHÜLLTEN VIREN

Title (fr)

PROCÉDÉ DESTINÉ À EMPÊCHER L'ENTRÉE ET LA RÉPLICATION DE VIRUS ENVELOPPÉS

Publication

**EP 4387734 A1 20240626 (EN)**

Application

**EP 22861909 A 20220818**

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- US 202117472604 A 20210911
- US 202163294067 P 20211227
- US 202263308782 P 20220210
- US 202263396040 P 20220808
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Abstract (en)

[origin: WO2023027939A1] The invention provides the use of a formulation containing cyclodextrin, quercetin and zinc at appropriate concentrations to mitigate infections by enveloped viruses. While the different forms of cyclodextrin prevent the entry of coated viruses into host cells by extracting and sequestering cholesterol molecules at the virus envelope and at the host cell plasma membrane, the ionophore quercetin enables cellular entry of zinc, thereby inhibiting viral replication by altering polymerase activity in the host cell.

IPC 8 full level

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C-Set (source: EP)

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