

## Antiviral Compounds From Plants

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### Antiviral Compounds From Plants

Included is a discussion of synthetic analogues where appropriate. The book states that antiviral compounds in so-called medicinal plants may constitute some of their "active ingredients." It explains that many are photosensitizers, their antiviral activity dependent upon or augmented by light of specific wavelengths.

### Amazon.com: Antiviral Compounds From Plants (9781315890623 ...

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### Antiviral Compounds From Plants | Taylor & Francis Group

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### Antiviral compounds from plants - ResearchGate

BACKGROUND AND AIMS: Many antiviral compounds presently in clinical use have a narrow spectrum of activity, limited therapeutic usefulness and variable toxicity. There is also an emerging problem of resistant viral strains. This study was undertaken to examine the published literature on herbs and plants with antiviral activity, their ...

### Antiviral agents from plants and herbs: a systematic review.

Lignans are widespread compounds in plants and many lignans exhibited antiviral activities. For example, peltatins from *Justicia procumbens* and *Podophyllum peltatum*, schizarin B and taiwanschirin D from *Kadsura matsudai*, and rhinacanthin E and rhinacanthin F from *Rhinacanthus nasutus* were shown to inhibit HIV, hepatitis B virus (HepBV), and influenza A by blocking the virus replication [13], [45], [104].

### Natural Antiviral Compounds - ScienceDirect

There are also examples of antiviral properties of plants, or phytochemically screened products based on the properties of newly identified phytocomponents. One such example is a potential antiviral compound, cyanovirin N (CV-N), an 11-kDa protein isolated from the cyanobacterium *Nostoc ellipsosporum*.

### Antiviral potentials of medicinal plants - ScienceDirect

Including plants possessing antiviral activity, the antiviral effects of plants, and plants used in viral disorders. The scientific literature mainly focusing on plant extracts and herbal products with therapeutic efficacies against experimental models of influenza, HIV, HSV, hepatitis, and coxsackievirus were

### Antiviral potential of medicinal plants against HIV, HSV ...

15 Impressive Herbs with Antiviral Activity 1. Oregano. Oregano is a popular herb in the mint family that's known for its impressive medicinal qualities. Its plant... 2. Sage. Also a member of the mint family, sage is an aromatic herb that has long been used in traditional medicine to... 3. Basil. ...

### 15 Antiviral Herbs to Keep You Healthy

Andrographis is one of the most popular medicinal plants that has been used for centuries in America, Asia and Africa. It possesses powerful compounds that have antiviral, antimicrobial, antioxidant and anti-inflammatory effects. Traditionally, andrographis was used for influenza and malaria.

### Antiviral Herbs: Protect Against Viruses and How to Use ...

fragrances, medicinal compounds, fibers and beverages. ... Table 3: List of plants showing antiviral properties against various viruses. Virus Name. Plant with antiviral properties.

### (PDF) ANTIVIRAL POTENTIAL OF MEDICINAL PLANTS: AN OVERVIEW

Compounds isolated from fruiting bodies and filtrates of various mushrooms have broad-spectrum antiviral activities, but successful production and availability of such compounds as frontline antiviral is a long way away. Viral life cycles vary in their precise details depending on the type of virus, but they all share a general pattern:

### Antiviral drug - Wikipedia

Some novel structures with high plant antiviral bioactivity, such as  $\alpha$ -aminophosphonate derivative Dufulin [Bingduxing], chiral cyanoacrylates, and GU188 were discovered. After successfully passing systemic R&D work, a brand new compound was commercialized as an antiviral.

### M Journal of Plant Pathology & Microbiology

Several hundred plant and herb species that have potential, as novel antiviral agents have been studied, with surprisingly little overlap. A wide variety of active phytochemicals, including the flavonoids, terpenoids, lignans, sulphides, polyphenolics, coumarins, saponins, furocoumarins, and

### Novel antiviral agents: a medicinal plant perspective

Book: Antiviral compounds from plants. 1990 pp.200 pp. ref.many Abstract: This book is intended as a critical evaluation of the current state of the art on the subject of plant-derived antiviral compounds.

### Antiviral compounds from plants. - CAB Direct

The potentially antiviral plants were selected for extraction depending on the accumulated compounds in herbs, leaves and roots. Preparation of plant extracts The solvent ethanol was diluted with sterile bidistilled water to 40% (vol.) concentration. Dried plant material from each plant (500  $\mu$ g) was extracted with 10 ml solvent.

### In vitro antiviral activity of fifteen plant extracts ...

Lignanoides are often found in the same plants as their monodehydrogenated or dihydrogenated compounds and corresponding derivatives. The representative compounds with antiviral activities in this subclass are arctigenin (ATG), yatein, and hinokinin (Figure 4). Figure 4. Structures of dibenzylbutyrolactone and corresponding compounds.

### Lignans and Their Derivatives from Plants as Antivirals

The *Azadirachta indica* leaf extract was found to be active against a number of viruses such as smallpox (DNA), chicken pox (DNA), poxvirus (DNA), poliomyelitis (RNA) and herpes viruses (DNA) ( Rao et al. 1969; Kaii-a-Kamb et al. 1992 ).

### Novel antiviral agents: a medicinal plant perspective ...

The antiviral activity of the plant extracts and fractions against echoviruses (E7, E13, and E19) was determined using the neutralisation assay, an assay that measures the inhibition of cytopathic effect on cell culture. The method previously described in the literature was modified and used in this assay [ 14 ].

### In vitro antiviral activity of twenty-seven medicinal ...

Essential oil of star anise as well as phenylpropanoids and sesquiterpenes, for example, trans-anethole, eugenol,  $\beta$ -eudesmol, farnesol,  $\beta$ -caryophyllene and  $\beta$ -caryophyllene oxide, which are present in many essential oils, were examined for their antiviral activity against herpes simplex virus type 1 (HSV-1) in vitro.