

Dutch Extract Library facilitates R&D with plant compounds



Crop

Miscellaneous

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Croppart

Roots / Tubers

Stem

Bulb

Leaf

Flower

Application area

Pharma

Fine chemicals

Food & feed

Status

Research stage

Public availability

Non-public

Relevant plant compounds

Extracts from flowers

Extracts from stem

Extracts from fruit

Extracts from roots

Description

Natural compound library for high throughput screening

Plants are a rich source of bioactive molecules that promote growth and flowering as well as protecting against diseases and enemies.

Due to their broad range of beneficial effects these bioactive molecules could be used to address challenges across a range of sectors. Examples are the development of drugs, cosmetics or crop protection.

With a long and rich history in horticulture, the Netherlands is a global leader in horticultural innovations. Instead of resting on its laurels, the country continues to explore new opportunities. Although crops are mainly grown for food or decorative purposes, they could be used in countless other ways.

The [Dutch Extract Library](#) serves as a link between parties interested in the bioactive compounds found in commercially grown plants and Dutch growers. It is a natural compound library consisting of 2240 unique plant extracts, readily accessible for high throughput screening by public and private parties.

On request the Institute of Biology Leiden will make bioactivity tests available. Upon identification of promising hits, direct contact with corresponding growers would be arranged for further collaboration.

The aim of the Dutch Extract Library is to encourage the innovative use of plant-based resources, including waste stream materials, for the development of new and sustainable products, collaborations, and business models.

The governance of the natural compound library is by [Leiden University](#) on behalf of the [Province of Zuid-Holland](#).

Resources

<https://dutchextractlibrary.nl/> Initiative website

[Dutch Extract Library @ Leiden University website](#) Publication