

OTAVA 
chemicals

Compounds for HTS
Chemical building blocks
Fragment libraries
Targeted libraries
Drug discovery services

NATURAL PRODUCT-LIKE LIBRARY

OTAVA offers you Natural Product-Like library. It includes polyketides, oxygen heterocycles, terpenoids, steroids, flavonoids, alkaloids and other derivatives.

This library provides additional diversity for drug discovery projects focused on natural compounds. The compounds have been selected from our In-house Stock library by similarity to natural compounds scaffolds. Some scaffolds were filtered by diversity to avoid their prevalence in the library. These scaffolds can be provided as a separate subsets on your request.

The library consists of **1,835 compounds in total***.

All compounds are:

- **in stock**; available amounts: 1 – 50 mg

QA/QC passed:

- minimal purity of compounds is **90%**;
- by **NMR** and/or **GC/LC/MS**
- **NMR spectra are available** upon request

Friendly packing services:

- **Cherry-picking is available**
- Supplied as dry powder or DMSO solution**
- Packaging in deep-well plates or barcoded vials***
- **Weighing out is free**

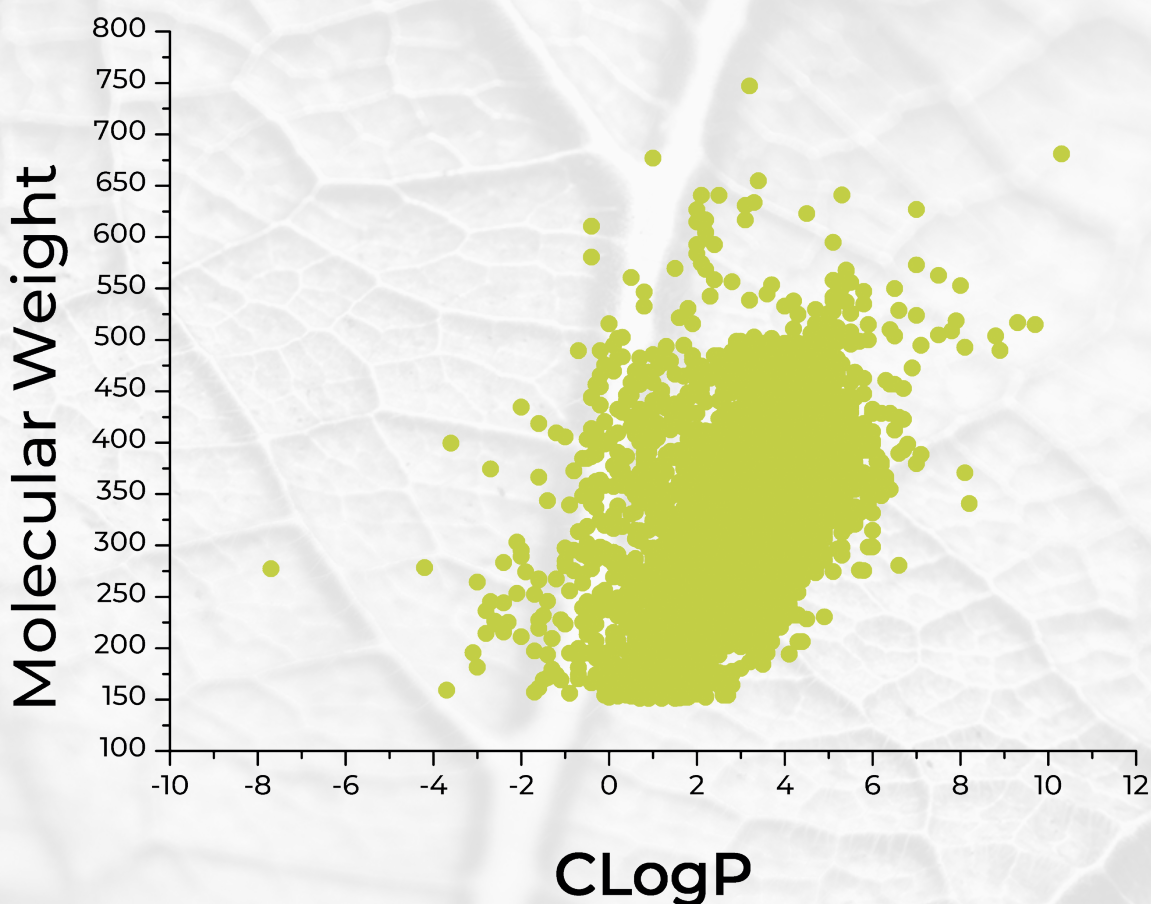
*Please note that the library does not contain known inhibitors. The compounds were selected with computational approach and are intended for screening projects

**there is additional fee for preparation of the solution

***4 ml amber glass vials or Deep-well plates: Matrix cat# 4247 (1.4 mL, Blank, Polypropylene, Round Bottom Tubes) w/CapMats. Or plates and vials provided by customer.

Distribution of physicochemical properties of compounds in the library:

63% Drug-like
46% Lead-like



The summary of the library characteristics:

	Minimum	Maximum	Average value
Molecular Weight	150.2	747	313.1
Number of Hydrogen Bond Donors	0	8	1.1
Number of Hydrogen Bond Acceptors	0	15	4.4
Number of Rotatable Bonds	0	16	4.1
CLogP	-7.7	10.3	2.9
Number of Rings	0	8	2.9
Polar Surface Area	0	234.3	65.4

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Custom
synthesis

Molecular
modeling

Amyloids
detection

Contract
research

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