



## Compound Libraries 96-Wells format

In a 96-well Matrix™ tube rack format as stock solutions in DMSO. Please review the product insert for a full list of targets: panels are routinely re-evaluated to include new catalog introductions as the research evolves. Stability data is not available for individual compounds as supplied in the screening library.

### Anti-Inflammatory Screening Library

For screening a variety of anti-inflammatory compounds; contains ~235 compounds in a 96-well Matrix™ tube rack format; includes a variety of compounds that inhibit pro-inflammatory cytokine production, macrophage and T cell activation, cytokine storm receptor signaling, the NLRP3 inflammasome, NF-κB signaling, kinases, and inflammatory lipid mediator production and metabolism; also includes corticosteroids, glucocorticoids, and inhibitors of NETosis, coagulation, and platelet aggregation. [Item No. 31530](#)

### Antiviral Screening Library

For screening a variety of antiviral-associated compounds; contains >410 antiviral-associated compounds in a 96-well Matrix™ tube rack format; includes a variety of compounds with antiviral activity against HIV, HBV, HCV, influenza, HSV, and coronaviruses, among others, as well as several compounds with antimalarial activity; molecular targets include HIV reverse transcriptase, protease, and integrase, RNA-dependent RNA polymerases, and HCV NS proteins. [Item No. 30390](#)

### Autophagy-Focused Screening Library

For screening a variety of autophagy-associated compounds; contains more than 150 autophagy-associated compounds; includes a variety of inhibitors and inducers of autophagy, including but not limited to, mTOR, PI3K, LRRK2, and Aurora kinase inhibitors, HDAC inhibitors, protease inhibitors, calcium channel blockers, p53 and AMPK modulators, and Vps34 inhibitors. [Item No. 23537](#)

### Bio-Active Lipid I Screening Library

The Bio-Active Lipid I Screening Library consists of 11 plates and contains more than 800 compounds in a 96-well Matrix™ tube rack format. The library may include prostaglandins, thromboxanes, cannabinoids, D-myo-inositol-phosphates, phosphatidylinositol-phosphates, sphingolipids, inhibitors, receptor agonists and antagonists, ceramide derivatives, and several other complex polyunsaturated fatty acids. This library collection is ideal for prostanoid or other G protein-coupled receptor screening, target validation, secondary screening, validating new assays and for routine pharmacological applications. [Item No. 10506](#)

### Bio-Active Lipid II Screening Library

The Bio-Active Lipid II Screening Library consists of 3 plates and contains more than 190 compounds in a 96-well Matrix tube rack format. The library may include prostaglandins, isoprostanes, thromboxanes, leukotrienes, lipoxins and several other complex polyunsaturated fatty acids. This library collection is ideal for prostanoid or other G protein-coupled receptor screening, target validation, secondary screening, validating new assays and for routine pharmacological applications. [Item No. 10507](#)

### Cell Death Screening Library

For screening a variety of cell death pathways; includes inducers and inhibitors of apoptosis, autophagy-dependent cell death, entotic cell death, ferroptosis, necroptosis, NETosis, and pyroptosis; includes inhibitors of lysosome-dependent cell death, oxeiptosis, and parthanatos. [Item No. 35093](#)

### Cellular Metabolism Screening Library

The Cellular Metabolism Screening Library consists of two plates and contains approximately 160 modulators of cellular metabolism in a 96-well Matrix™ tube rack format. This library includes modulators of enzymes in glycolysis, the pentose phosphate pathway, and the citric acid cycle, as well as modulators of nucleotide and lipid metabolism, oxidative phosphorylation, and redox homeostasis, and other cellular metabolism-related processes. [Item No. 33705](#)

### Comprehensive Kinase Screening Library

For screening of a variety of kinase inhibitors; contains ~869 selective and non-selective kinase inhibitors in a 96-well Matrix™ tube rack format; includes inhibitors of a wide range of lipid, receptor and non-receptor tyrosine, serine/threonine, and dual specificity kinases including those belonging to ROCK, ALK, GSK3, PKC, PDGFR, VEGFR, Src, MAPK, CDK, and PI3K families; has greater coverage of individual kinases, kinase isoforms and mutants, and kinase families compared to Cayman's Kinase Screening Library. [Item No. 28940](#)

### D-myo-Inositol Phosphate Screening Library

For screening a variety of D-myo-inositol phosphates; contains ~37 compounds in a 96-well Matrix™ tube rack format as 0.5 μmol of lyophilized powder, sufficient for 0.1 mM stock solutions in 50 μl of an aqueous solution of choice; includes D-myo-inositols with different numbers and arrangements of phosphate substituents. [Item No. 9003895](#)

## Epigenetics Screening Library

The Epigenetics Screening Library contains more than 140 small molecules that are known to modulate the activity of a variety of epigenetic 'writers and erasers' and "reader" proteins in a 96-well Matrix tube rack. It may include compounds that modulate the activity of methyltransferases, demethylases, histone acetyltransferases, histone deacetylases, and acetylated histone binding proteins. [Item No. 11076](#)

## Fatty Acid Screening Library

The Fatty Acid Screening Library contains more than 75 compounds of fatty acids with diverse biological activities in a 96-well Matrix tube rack format. The library may also include some of the most commonly-ordered fatty acids, including arachidonic, linoleic, eicosapentaenoic, stearic,  $\alpha$ - and  $\gamma$ -linolenic, oleic, and palmitic acids. As well as some unusual fatty acids, including 9-thiastearic acid, 2-hydroxymyristic acid, AUDA, and CUDA may be included. [Item No. 10504](#)

## FDA-Approved Drugs Screening Library

The FDA-Approved Drugs Screening Library consists of 12 plates and contains approximately 892 FDA-approved compounds in a 96-well Matrix™ tube rack format. The library contains antidiabetic, antiseizure, antipsychotic, antibiotic, and antiviral agents, non-steroidal anti-inflammatory drugs (NSAIDs), and chemotherapeutics, among others. [Item No. 23538](#)

## Immuno-Oncology Screening Library

For screening a variety of immuno-oncology associated compounds; contains more than 90 cancer and immunology-associated compounds; includes a variety of immuno-oncology target modulators, including but not limited to, adenosine, CCR, CXCR, and TLR agonists and antagonists, BTK, PI3K, and BRAF inhibitors, PD-1/PD-L1 interaction inhibitors, and HDAC inhibitors. [Item No. 28760](#)

## Kinase Screening Library

For screening of a variety of kinase inhibitors; contains ~160 selective and non-selective kinase inhibitors; includes inhibitors of a wide range of lipid, receptor and non-receptor tyrosine, serine/threonine, and dual specificity kinases including those belonging to the ROCK, ALK, GSK3, PKC, PDGFR, VEGFR, Src, MAPK, CDK, and PI3K families; targets more than 70 distinct kinases and kinase families, as well as numerous additional kinase isoforms and individual kinases within target families. [Item No. 10505](#)

## Microbiome Metabolite Screening Library

For screening a variety of microbiome metabolites; contains ~140 compounds in a 96-well Matrix™ tube rack format; includes microbiome metabolites categorized as amino acid derivatives, aromatic compounds, hydroxy and branched-chain fatty acids, sphingolipids, and nucleotide metabolites, and microbial metabolites of natural products obtained via the diet. [Item No. 36305](#)

## Natural Products Screening Library

The Natural Products Screening Library consists of **22 plates and contains approximately 1,640 natural products** in a 96-well Matrix™ tube rack format as 2 mM or 2 mg/ml stock solutions in DMSO. This library includes compounds from a variety of natural product classes, including alkaloids, flavonoids, glycosides, terpenes, saponins, and polyphenols that have anti-inflammatory, antioxidative, and anticancer activities, among others. Stability data is not available for individual compounds as supplied in the screening library. Panels are routinely re-evaluated to include new catalog introductions as the research evolves. [Item No. 20897](#)

## Pesticide Screening Library

The Pesticide Screening Library consists of three plates and contains approximately 174 pesticide-associated compounds in a 96-well Matrix™ tube rack format. This library includes insecticides, fungicides, herbicides, and acaricides, as well as some metabolites of these compounds. [Item No. 36390](#)

## Prostaglandin Screening Library I

The Prostaglandin Screening Library I contains more than 70 "F-series" of prostaglandins and isoprostanes in a 96-well Matrix™ tube rack format as 2 mM stocks in DMSO. [Item No. 10501](#)

## Prostaglandin Screening Library II

The Prostaglandin Screening Library II contains more than 60 "D and E-series" of prostaglandins in a 96-well plate. [Item No. 10502](#)

## Prostaglandin Screening Library III

The Prostaglandin Screening Library III contains more than 70 "A and J-series" of prostaglandins in a 96-well Matrix tube rack format as 2 mM stocks in DMSO. The library may also include thromboxanes, lactones, stable PGH, prostacyclin mimic, metabolites, and potent PGA and PGJ analogs. [Item No. 10503](#)

## Stem Cell Small Molecule Screening Library

This small molecule library contains molecules that are known either to induce differentiation, to maintain self-renewal and proliferation, or to improve the reprogramming efficiency of various stem cell populations. [Item No. 9001827](#)

## Terpene Screening Library

For screening a variety of terpenes; contains ~95 terpenes in a 96-well Matrix™ tube rack format; contains a diverse group of natural products with assorted biological activities and structural variety ranging from simple monocyclic compounds, such as ( $\pm$ )-limonene, to complex multicyclic structures, such as that of paxillene. [Item No. 900337](#)